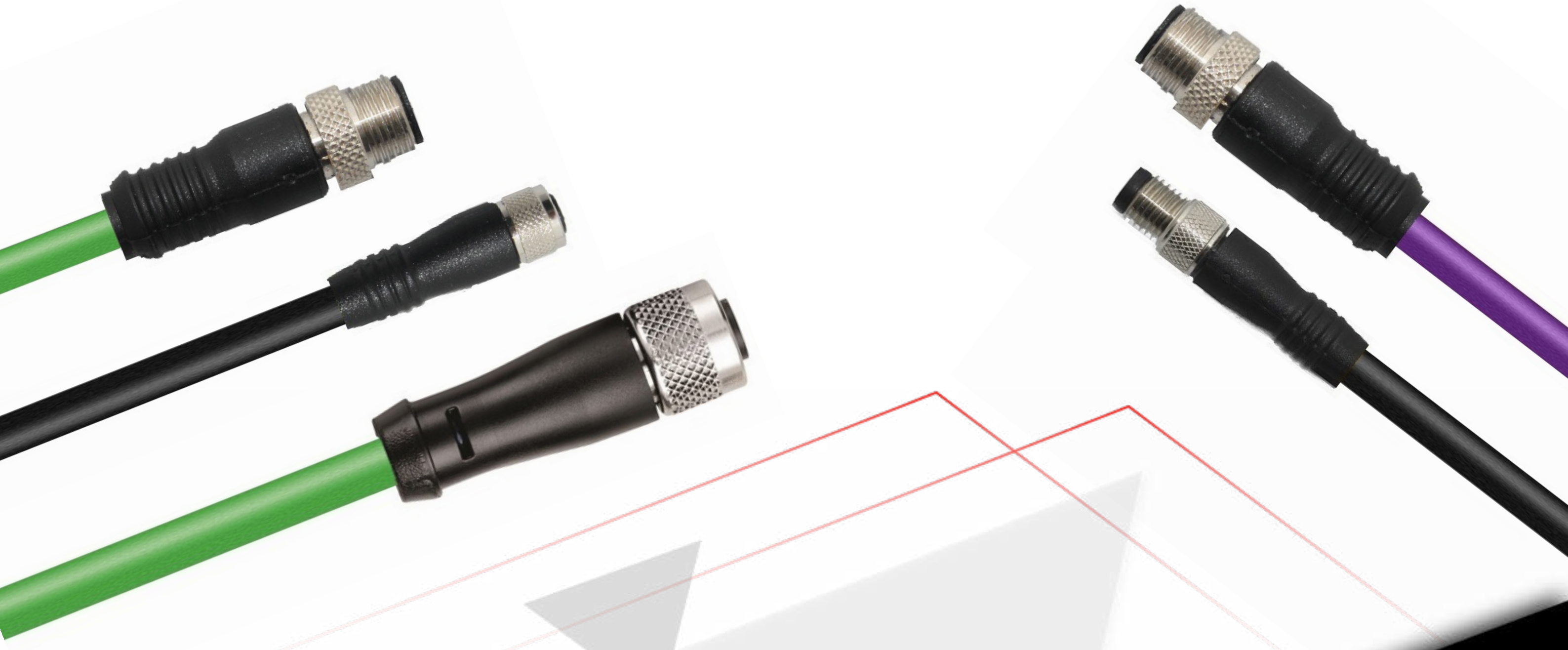
IC AUTOMATION

M8 & M12 & 7/8’

OVERMOLDED
CONNECTORS



Cordons Servo-moteurs & codeurs

Fabricant français de cordons sur-mesure, IC-Automation vous offre une solution avantageuse pour la confection de vos cordons Servo-moteurs et codeurs toutes marques !

Stock FRANCE - Expertise technique - Service 24/48h

Yes,
We Connect!

IC AUTOMATION

Pre-wired connectors

M5

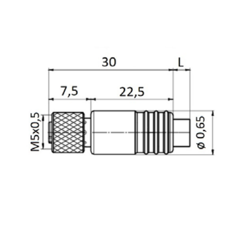
M8

M12

M5 CONNECTORS • 3 PINS

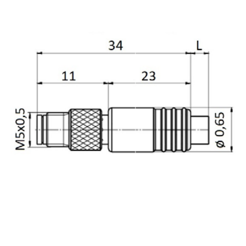
FEMALE AX

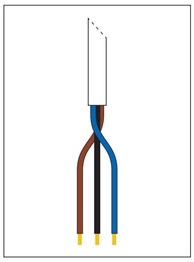
Cod. AS-M5FAX03*****

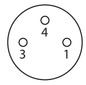


MALE AX

Cod. AS-M5MAX03*****







COLOURS TABLE

1	BN
3	BU
4	BK

3 WIRE

COD.	"RN"
CABLE SPECIFICATIONS	UL/CSA PUR CABLE
Sections	3 x 26AWG (3 x 0.14) 80° - 300 V
Diameter	2.6 +/- 0.2
Conductor	PVC classe 5 19 x 0.15
Outer Jacket	PUR compound Oil resistant ISO 6722 Black Flam Test FT2
Reference standards	
Working temperature	-15 / +80°C Static App. -5/ +80°C Dynamic App
Bending radius	10 x Ø esterno
Shield	---
Traslation's speed	120 mt / min
Acceleration	5 mt / secq

CODE COMPOSITION

MORE CONFIGURATIONS

AX = Straight

Cable type (code like table)

G = grafoplast

AS-M5***03050**/*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

H = shielded connector

F = female
M = male

MORE CONFIGURATIONS

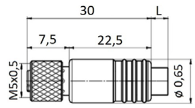
Shielded Connector	H

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	1 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

IC AUTOMATION

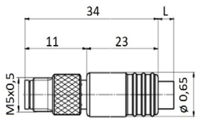
M5 CONNECTORS • 4 PINS

FEMALE AX

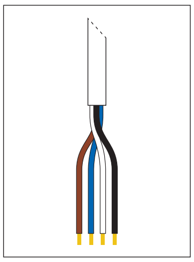


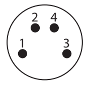
Cod. AS-M5FAX04*****

MALE AX



Cod. AS-M5MAX04*****





COLOURS TABLE

1	BN
2	WH
3	BU
4	BK

CODE COMPOSITION

AS-M5***04050**/*

AX = *Straight*

F = *female*
M = *male*

Cable type (code like table)

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = grafoplast

H = *shielded connector*

MORE CONFIGURATIONS

Shielded Connector	H

TECHNICAL SPECIFICATIONS

Reference standards	IEC 61076-2-104
Nominal Currents	1 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

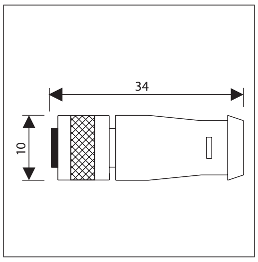
4 WIRE

COD.	"RN"
CABLE SPECIFICATIONS	*UL/CSA PUR CABLE*
Sections	4 x 26AWG (4 x 0.15) 80° - 300 V
Diameter	3.1 +/- 0.2
Conductor	PVC classe 6 FLEX
Outer Jacket	PUR compound Black Flam Test FT2
Reference standards	
Working temperature	-15 / +80°C Static App. -5/ +80°C Dynamic App
Bending radius	10 x Ø esterno
Shield	---
Traslation's speed	120 mt / min
Acceleration	5 mt / secq

M8 CONNECTORS • 3 PINS

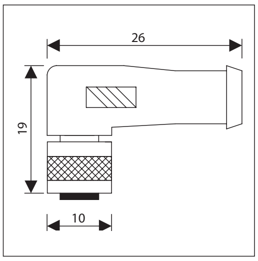
FEMALE AX

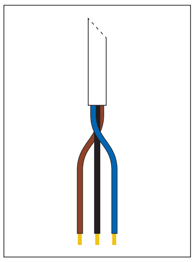
Cod. AS-M8FAX03*****

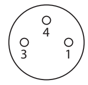


FEMALE RD

Cod. AS-M8FRD03*****







COLOURS TABLE

1	brown	BN
3	blue	BU
4	black	BK

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	3 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

CODE COMPOSITION / **MORE CONFIGURATIONS**

AX = *Straight*
RD = *90°*

Cable type (code like table)

G = *grafoplast*

AS-M8F**03050* **/*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

3 WIRE

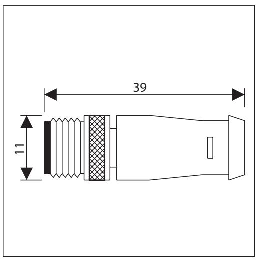
COD.	"C"	"CN"	"R"	"RN"	"CS"	"RS"
CABLE SPECIFICATIONS	*UL/CSA PVC CABLE*	*UL/CSA PVC CABLE*	*UL/CSA PUR CABLE*	*UL/CSA PUR CABLE*	*PVC SHIELDED CABLE*	*PUR SHIELDED CABLE*
Sections	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V
Diameter	4.7 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.8 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15
Outer Jacket	PVC UL/CSA Oil Resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Black RAL 9005 Flame Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR compound Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2
Reference standards	UL	UL	UL	UL	UL	UL
Working temperature	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App	-5 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	120 mt / min	---	---
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	5 mt / secq	---	5 mt / secq

IC AUTOMATION

M8 CONNECTORS • 3 PINS

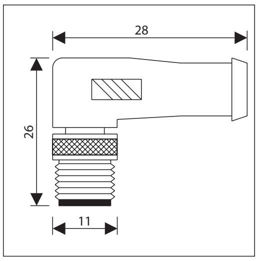
MALE RD

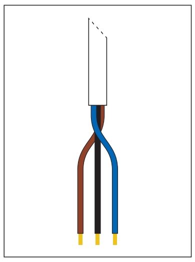
Cod. AS-M8MAX03*****

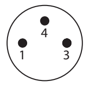


MALE RD

Cod. AS-M8MRD03*****







COLOURS TABLE

1	BN
3	BU
4	BK

CODE COMPOSITION

AX = *Straight*
RD = 90°

Cable type (code like table)

AS-M8M**03050* **/*

lcable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = grafoplast
H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

3 WIRE

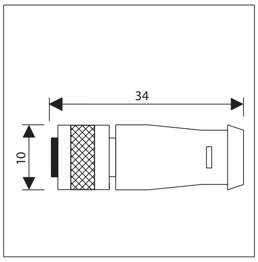
COD.	"C"	"CN"	"R"	RN"	"CS"	"RS"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	PVC SHIELDED CABLE	PUR SHIELDED CABLE
Sections	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V
Diameter	4.7 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.8 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15
Outer Jacket	PVC UL/CSA Oil Resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Black RAL 9005 Flame Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR compound Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2
Reference standards	UL	UL	UL	UL	UL	UL
Working temperature	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App	-5 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	120 mt / min	---	---
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	5 mt / secq	---	5 mt / secq

IC AUTOMATION

M8 CONNECTORS • 4 PINS

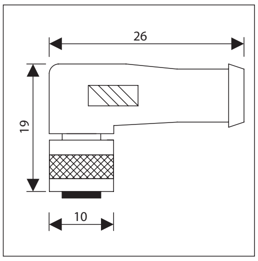
FEMALE AX

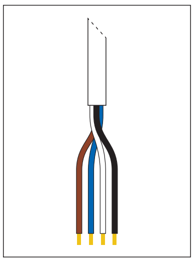
Cod. AS-M8FAX04*****

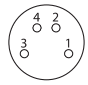


FEMALE RD

Cod. AS-M8FRD04*****







COLOURS TABLE

1	BN
2	WH
3	BU
4	BK

CODE COMPOSITION

AX = *Straight*
RD = *90°*

Cable type (code like table)

AS-M8M**04050* **/*

lcable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = grafoplast

H = *shielded connector*

X = *inox ring nut*
HX = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	3 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

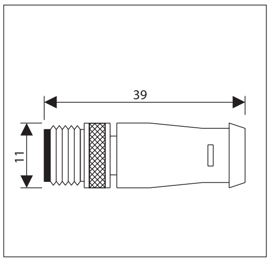
4 WIRE

COD.	"C"	"CUY"	"CN"	"CUN"	"R"	"RUY"	"RN"	"RUN"	"CS"	"CSUN"	"RS"
Cable specifications	UL/CSA PVC CABLE	UL/CSA PVC CABE	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	ULCSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	SHIELDED PVC CABLE	PVC SHIELDED CABLE	SHIELDED PUR CABLE
Sections	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 22AWG (4 x 0.34) 80° - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x awg 22 (4 x 0.34) 80°C - 300 V-	4 x 24AWG (4 x 0.25) ST 80°C - 300 V	4 x 22AWG (4 x 0.34) ST 80°C - 300 V	4 x 24AWG (4 x 0.25) ST 80°C - 300 V
Diameter	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.0 +/- 0.2	4.7 +/- 0.2	4.9 +/- 0.2	4.9 +/- 0.2	5,4 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Yellow RAL 1021 DESINA Flam Test	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA STYLE 20549 Yellow RAL 1021 DESINA Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Black - RAL9005 Flam Test FT2	PUR UL/CSA Oil resistant ISO 6722 STYLE 21441 Black RAL 9005 Flam Test FT2	PVC CEI 2022 - II Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 20549 Grey Ral 7035 Flam Test FT1
Reference standards											
Working temperature	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App.	-15 / +80°C Static App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	120 mt / min	150 mt / min	---	150 mt / min	200 mt / min	---	---	40 mt / min

M8 CONNECTORS • 4 PINS

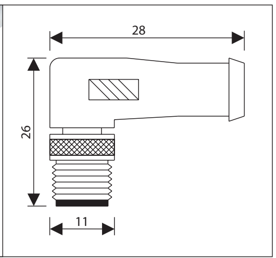
MALE AX

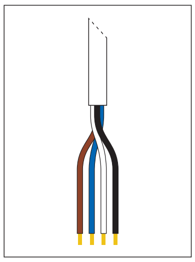
Cod. AS-M8MAX04*****

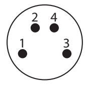


MALE RD

Cod. AS-M8MRD04*****







COLOURS TABLE	
1	BN
2	WH
3	BU
4	BK

CODE COMPOSITION

AX = *Straight*
RD = *90°*

Cable type (code like table)

AS-M8M**04**050*** **/*

lcable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = *grafoplast*

H = *shielded connector*

MORE CONFIGURATIONS		
Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	4 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

4 WIRE

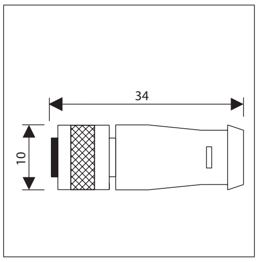
COD.	"C"	"CUY"	"CN"	"CUN"	"R"	"RUY"
CABLE SPECIFICATIONS	*UL/CSA PVC CABLE*	*UL/CSA PVC CABE*	*UL/CSA PVC CABLE*	*UL/CSA PVC CABLE*	*UL/CSA PUR CABLE*	*ULCSA PUR CABLE*
Sections	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 22AWG (4 x 0.34) 80° - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V
Diameter	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.0 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Yellow RAL 1021 DESINA Flam Test	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA STYLE 20549 Yellow RAL 1021 DESINA Flam Test FT1
Reference standards						
Working temperature	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	---	---
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	120 mt / min	150 mt / min	---
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	4 mt / secq	4 mt / secq	---

COD.	"RN"	"RUN"	"CS"	"CSUN"	"RS"
CABLE SPECIFICATIONS	*UL/CSA PUR CABLE*	*UL/CSA PUR CABLE*	*SHIELDED PVC CABLE*	*PVC SHIELDED CABLE*	*SHIELDED PUR CABLE*
Sections	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x awg 22 (4 x 0.34) 80°C - 300 V-	4 x 24AWG (4 x 0.25) ST 80°C - 300 V	4 x 22AWG (4 x 0.34) ST 80°C - 300 V	4 x 24AWG (4 x 0.25) ST 80°C - 300 V
Diameter	4.7 +/- 0.2	4.9 +/- 0.2	4.9 +/- 0.2	5,4 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PUR Compound Oil resistant ISO 6722 STYLE 21441 Black - RAL9005 Flam Test FT2	PUR UL/CSA Oil resistant ISO 6722 STYLE 21441 Black RAL 9005 Flam Test FT2	PVC CEI 2022 - II Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 20549 Grey Ral 7035 Flam Test FT1
Reference standards					
Working temperature	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App.	-15 / +80°C Static App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	10 x Ø esterno
Shield	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	150 mt / min	200 mt / min	---	---	40 mt / min
Acceleration	4 mt / secq	30 mt / secq	---	---	10 mt / secq

M8 CONNECTORS • 5 PINS

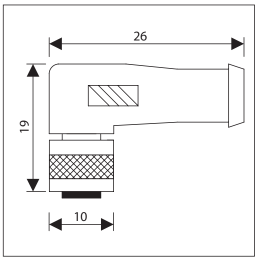
FEMALE AX

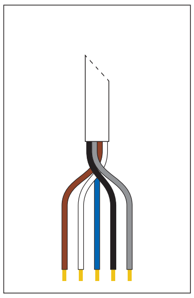
Cod. AS-M8FAX05*****

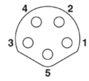


FEMALE RD

Cod. AS-M8FRD05*****







COLOURS TABLE

1	BN
2	WH
3	BU
4	BK
5	GY

CODE COMPOSITION

AX = *Straight*
RD = 90°

Cable type (code like table)

AS-M8F**05050* **/*

lcable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = grafoplast

H = *shielded connector*

MORE CONFIGURATIONS

Shielded Connector	**H**

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	3 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

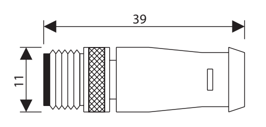
5 WIRE

COD.	"C"	"CUY"	"CN"	"R"	"RN"	"CS"	"CSUY"	CSUN"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	SHIELDED PVC CABLE	SHIELDED PVC CABLE	SHIELDED PVC CABLE
Sections	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V
Diameter	5 +/- 0.2	4.8 +/- 0.2	4.7 +/- 0.2	5 +/- 0.2	5 +/- 0.2	5.6 +/- 0.2	5.1 +/- 0.2	5.6 +/- 0.2
Conductor	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 20167 STYLE 2464 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Black Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Yellow Ral 1021 DESINA Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1
Reference standards	UL	UL	UL	UL		UL	UL	UL
Working temperature	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App. +5 / +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. -5/ +80°C Dynamic App.	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App.	-5 / +80°C Static App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	12 x Ø esterno
Shield	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	90 mt / min	150 mt / min	90 mt / min	---	---
Acceleration	4 mt / secq	4 mt / secq	4 mt / secq	5 mt / secq	4 mt / secq	4 mt / secq	---	---

M8 CONNECTORS • 5 PINS

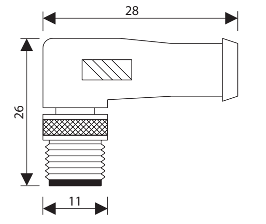
MALE AX

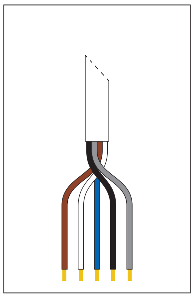
Cod. AS-M8MAX05*****

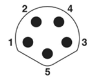


MALE RD

Cod. AS-M8MRD05*****







COLOURS TABLE

1	BN
2	WH
3	BU
4	BK
5	GY

CODE COMPOSITION

AX = *Straight*
RD = 90°

Cable type (code like table)

AS-M8M**05050***/*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = grafoplast

H = *shielded connector*

MORE CONFIGURATIONS	
Shielded Connector	H

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	3 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

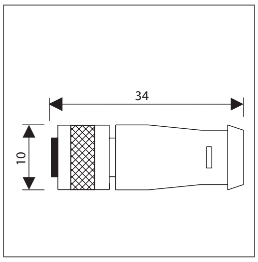
5 WIRE

COD.	"C"	"CUY"	"CN"	"R"	"RN"	"CS"	"CSUY"	CSUN"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	SHIELDED PVC CABLE	SHIELDED PVC CABLE	
Sections	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V
Diameter	5 +/- 0.2	4.8 +/- 0.2	4.7 +/- 0.2	5 +/- 0.2	5 +/- 0.2	5.6 +/- 0.2	5.1 +/- 0.2	5.6 +/- 0.2
Conductor	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 20167 STYLE 2464 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Black Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Yellow Ral 1021 DESINA Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1
Reference standards								
Working temperature	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App. +5 / +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. -5/ +80°C Dynamic App.	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App.	-5 / +80°C Static App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	12 x Ø esterno
Shield	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	90 mt / min	150 mt / min	90 mt / min	---	---
Acceleration	4 mt / secq	4 mt / secq	4 mt / secq	5 mt / secq	4 mt / secq	4 mt / secq	---	---

M8 CONNECTORS • 6 PINS

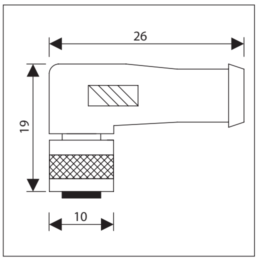
FEMALE AX

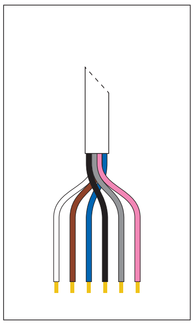
Cod. AS-M8FAX06*****

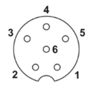


FEMALE RD

Cod. AS-M8FRD06*****







COLOURS TABLE

1	BN
2	WH
3	BU
4	BK
6	GY
7	PK

CODE COMPOSITION

AS-M8F**06050* **/*

AX = *Straight*
RD = 90°

Cable type (code like table)

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = grafoplast
H = *shielded connector*

MORE CONFIGURATIONS

Shielded Connector	**H**

6 WIRE

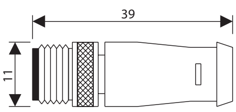
COD.	"CN"	"RN"
CABLE SPECIFICATIONS	*UL/CSA PVC CABLE*	*UL/CSA PUR CABLE*
Sections	6 x 26AWG (6 x 0.14) 80° - 300 V	6 x 26AWG (6 x 0.14) 80°C - 300 V
Diameter	4.6 +/- 0.2	4.7 +/- 0.2
Conductor	PVC classe 6 FLEX	PVC classe 6 FLEX
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 20549 Black - RAL9005 Flam Test FT2
Reference standards		
Working temperature	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno
Shield	---	---
Traslation's speed	90 mt / min	150 mt / min
Acceleration	5 mt / secq	4 mt / secq

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	1,5 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

M8 CONNECTORS • 6 PINS

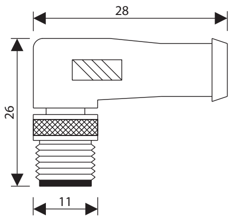
MALE AX

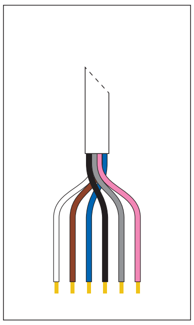
Cod. AS-M8MAX06*****

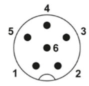


MALE RD

Cod. AS-M8MRD06*****







COLOURS TABLE

1	BN
2	WH
3	BU
4	BK
6	GY
7	PK

CODE COMPOSITION

AS-M8M**06050* **/*

AX = *Straight*
RD = 90°

Cable type (code like table)

lcable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = grafoplast

H = *shielded connector*

MORE CONFIGURATIONS

Shielded Connector	**H**

TECHNICAL SPECIFICATIONS

Reference standards	IEC 61076-2-104
Nominal Currents	1,5 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

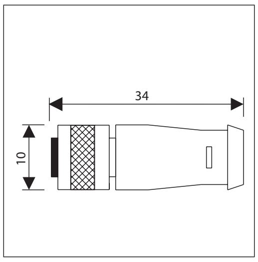
6 WIRE

COD.	"CN"	"RN"
CABLE SPECIFICATIONS	*UL/CSA PVC CABLE*	*UL/CSA PUR CABLE*
Sections	6 x 26AWG (6 x 0.14) 80° - 300 V	6 x 26AWG (6 x 0.14) 80°C - 300 V
Diameter	4.6 +/- 0.2	4.7 +/- 0.2
Conductor	PVC classe 6 FLEX	PVC classe 6 FLEX
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 20549 Black - RAL9005 Flam Test FT2
Reference standards		
Working temperature	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno
Shield	---	---
Traslation's speed	90 mt / min	150 mt / min
Acceleration	5 mt / secq	4 mt / secq

M8 CONNECTORS • 8 PINS

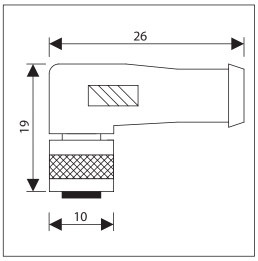
FEMALE AX

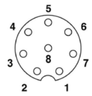
Cod. AS-M8FAX08*****

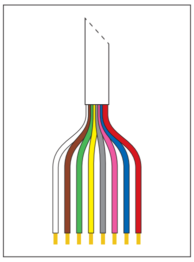


FEMALE RD

Cod. AS-M8FRD08*****







COLOURS TABLE

1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD

CODE COMPOSITION

AS-M8F**08050* **/*

AX = *Straight*
RD = *90°*

Cable type (code like table)

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = grafoplast
H = *shielded connector*

MORE CONFIGURATIONS

Shielded Connector	**H**

TECHNICAL SPECIFICATIONS

Reference standards	IEC 61076-2-104
Nominal Currents	1,5 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

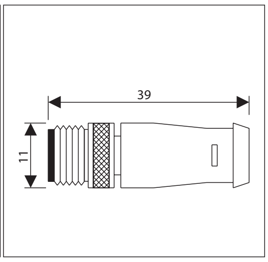
8 WIRE

COD.	"CUY"	"RUY"	"RN"
CABLE SPECIFICATIONS	*UL/CSA PVC CABE*	*ULCSA PUR CABLE*	*UL/CSA PUR CABLE*
Sections	8 x 26AWG (8 x 0.14) 80° - 300 V	8 x 26AWG (8 x 0.14) 80° - 300 V	8 x 26AWG (8 x 0.14) 80° - 300 V
Diameter	4.8 +/- 0.2	5.5 +/- 0.2	5.5 +/- 0.2
Conductor	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Yellow RAL 1021 DESINA Flam Test	PUR UL/CSA STYLE 20233 Yellow RAL 1021 DESINA Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 20549 Black - RAL9005 Flam Test FT2
Reference standards	UR	UR	UR
Working temperature	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---
Traslation's speed	90 mt / min	---	150 mt / min
Acceleration	4 mt / secq	---	4 mt / secq

M8 CONNECTORS • 8 PINS

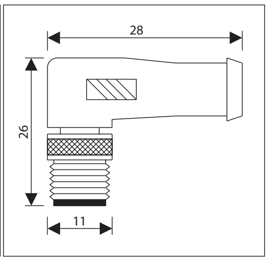
MALE AX

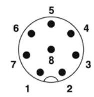
Cod. AS-M8MAX08*****

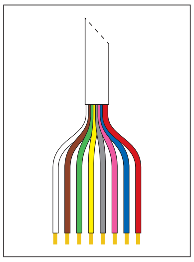


MALE RD

Cod. AS-M8MRD08*****







COLOURS TABLE

1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD

CODE COMPOSITION

AX = *Straight*
RD = 90°

Cable type (code like table)

AS-M8F**08**050***/*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

H = *shielded connector*

MORE CONFIGURATIONS

Shielded Connector	**H**

8 WIRE

COD.	"CUY"	"RUY"	"RN"
CABLE SPECIFICATIONS	*UL/CSA PVC CABE*	*UL/CSA PUR CABLE*	*UL/CSA PUR CABLE*
Sections	8 x 26AWG (8 x 0.14) 80° - 300 V	8 x 26AWG (8 x 0.14) 80° - 300 V	8 x 26AWG (8 x 0.14) 80° - 300 V
Diameter	4.8 +/- 0.2	5.5 +/- 0.2	5.5 +/- 0.2
Conductor	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Yellow RAL 1021 DESINA Flam Test	PUR UL/CSA STYLE 20233 Yellow RAL 1021 DESINA Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 20549 Black - RAL9005 Flam Test FT2
Reference standards			
Working temperature	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---
Traslation's speed	90 mt / min	---	150 mt / min
Acceleration	4 mt / secq	---	4 mt / secq

TECHNICAL SPECIFICATIONS

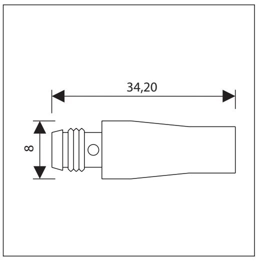
Reference standards	IEC 61076-2-104
Nominal Currents	1,5 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

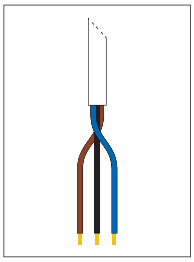
IC AUTOMATION

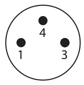
M8 CONNECTORS • 3/4 PINS SNAP

MALE

Cod. AS-M8MAXP*******

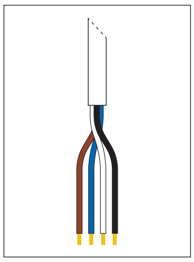


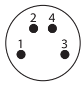




COLOURS TABLE

1		BN
3		BU
4		BK





COLOURS TABLE

1		BN
2		WH
3		BU
4		BK

CODE COMPOSITION

03 = 3 pins
04 = 4 pins

Cable type
(code like table)

AS-M8MAXP**050*/*

G = grafoplast

Icable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

TECHNICAL SPECIFICATIONS	3 PINS	4 PINS
Reference standards	IEC 61076-2-104	IEC 61076-2-104
Nominal Currents	3 A	3 A
Nominal Voltage	60 V AC-DC	30 V AC-DC
Protection Class	IP67	IP67
Resistance	≤ 5mΩ	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install	-20/+80°C Fix Install

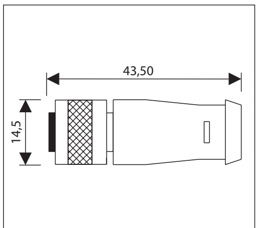
COD.	C	CN	CUN	R	RN	RUN	CS	RS
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	PVC SHIELDED CABLE	PUR SHIELDED CABLE
Sections	3 x 24AWG (3 x 0.35) 4 x 24AWG (4 x 0.25)	3 x 22AWG (3 x 0.35) 4 x 24AWG (4 x 0.25)	4 x 22AWG (4 x 0.35)	3 x 22AWG (3 x 0.35) 4 x 24AWG (4 x 0.25)	3 x 22AWG (3 x 0.35) 4 x 24AWG (4 x 0.25)	4 x 24AWG (4 x 0.25)	3 x 22AWG (3 x 0.35) ST 4 x 24AWG (4 x 0.25) ST	3 x 22AWG (3 x 0.35) ST 4 x 24AWG (4 x 0.25) ST
Diameter	4.7 +/- 0.2 4.6 +/- 0.2	4.5 +/- 0.2 4.6 +/- 0.2	4.8 +/- 0.2	4.5 +/- 0.2 4.6 +/- 0.2	4.7 +/- 0.2 4.6 +/- 0.2	4.9 +/- 0.2	4.8 +/- 0.2 4.6 +/- 0.2	4.8 +/- 0.2 4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 19 x 0.15
Outer Jacket	PVC UL/CSA Oil Resistant UL 1581 STYLE 2464 Grey Ral 7035 Flame Test FT1	PVC UL/CSA Oil Resistant UL 1581 STYLE 2464 Black Flame Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Black Flame TestFT1	PUR compound Oil resistant ISO 6722 STYLE 20549 Grey Ral 7035 Flame Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Black Flame Test FT2	PUR UL/CSA Oil resistant ISO 6722 STYLE 21441 Black Flame Test FT2	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flame Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flame Test FT1
Reference standards								
Working temperature	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. -5/ +80°C Dynamic App	-30 / +80°C Static App. -5 / +80°C Dynamic App.	-5 / +80°C Static App.	-15 / +80°C Static App. -5/ +80°C Dynamic App
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	150 mt / min	150 mt / min	200 mt / min	---	40 mt / min
Acceleration	4 mt / secq	4 mt / secq	4 mt / secq	4 mt / secq	4 mt / secq	30 mt / secq	---	4 mt / secq

IC AUTOMATION

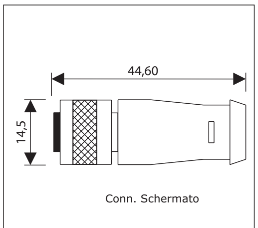
M12 CONNECTORS • 3 PINS

FEMALE AX

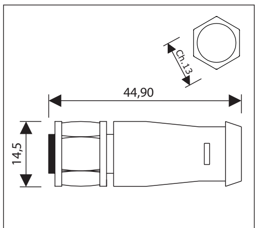
Cod. AS-M12FAX03*****



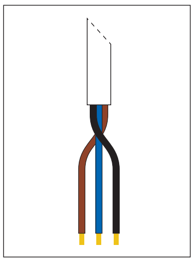
Cod. AS-M12FAX03****

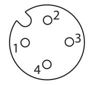


Cod. AS-M12FAX03****H



Cod. AS-M12FAX03*****X

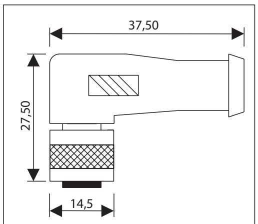




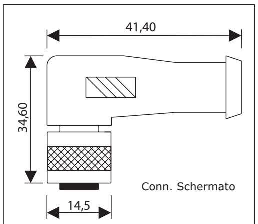
COLOURS TABLE	
1	BN
3	BU
4	BK

FEMALE RD

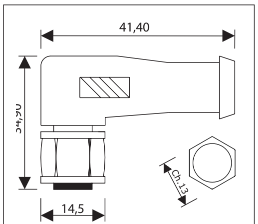
Cod. AS-M12FRD03*****



Cod. AS-M12FRD03****



Cod. AS-M12FRD03****H



Cod. AS-M12FRD03*****X

CODE COMPOSITION | **MORE CONFIGURATIONS**

AX = *Straight*
RD = *90°*

Cable type (code like table)

G = *grafoplast*

AS-M12F**03050* **/*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

MORE CONFIGURATIONS		
Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

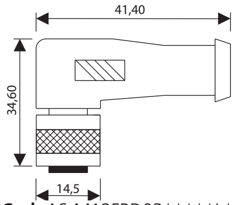
3 WIRE

COD.	"C"	"CN"	"R"	"RN"	"CS"	"RS"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	PVC SHIELDED CABLE	PUR SHIELDED CABLE
Sections	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V
Diameter	4.7 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.8 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15
Outer Jacket	PVC UL/CSA Oil Resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Black RAL 9005 Flame Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR compound Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2
Reference standards						
Working temperature	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App	-5 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	120 mt / min	---	---
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	5 mt / secq	---	5 mt / secq

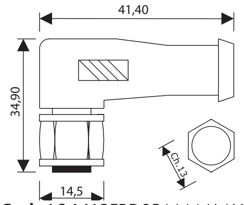
M12 CONNECTORS • 3 PINS with LEDS

FEMALE 3 PINS

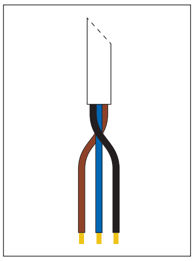
Cod. AS-M12FRD03*****L*

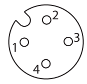


Cod. AS-M12FRD03*****L*



Cod. AS-M12FRD03*****L*X

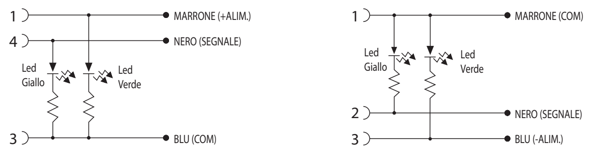




COLOURS TABLE	
1	BN
3	BU
4	BK

SCHEMA ELETTRICO / *ELECTRICAL LAYOUT*

PNP (P) **NPN (N)**



CODE COMPOSITION

MORE CONFIGURATIONS

Cable type (code like table)

G = grafoplast

AS-M12FRD03**050***L* */*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

P = PNP
N = NPN

X = *inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	10-30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

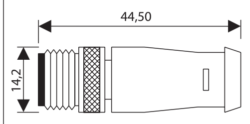
3 WIRE

COD.	"C"	"CN"	"R"	"RN"	"CS"	"RS"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	PVC SHIELDED CABLE	PUR SHIELDED CABLE
Sections	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V
Diameter	4.7 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.8 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15
Outer Jacket	PVC UL/CSA Oil Resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Black RAL 9005 Flame Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR compound Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2
Reference standards						
Working temperature	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App	-5 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	120 mt / min	---	---
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	5 mt / secq	---	5 mt / secq

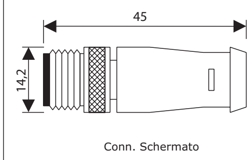
M12 CONNECTORS • 3 PINS

MALE AX

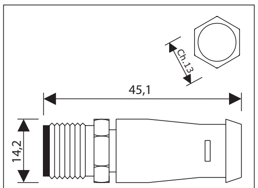
Cod. AS-M12MAX03*****



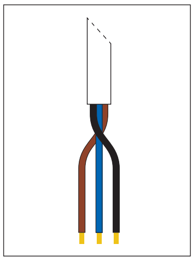
Cod. AS-M12MAX03****

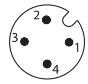


Cod. AS-M12MAX03****H



Cod. AS-M12MAX03*****X



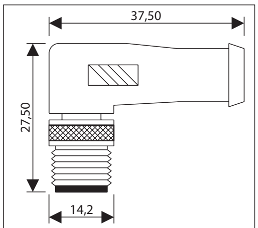


COLOURS TABLE

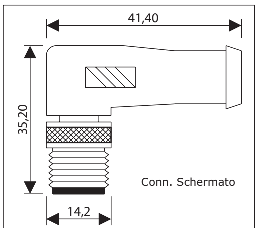
1		BN
3		BU
4		BK

MALE RD

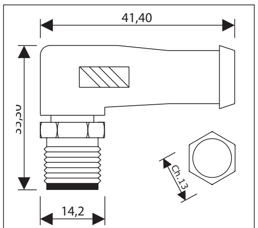
Cod. AS-M12MRD03*****



Cod. AS-M12MRD03****



Cod. AS-M12MRD03****H



Cod. AS-M12MRD03*****X

CODE COMPOSITION

AX = *Straight*
RD = *90°*

Cable type (code like table)

AS-M12M**03050* **/*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = grafoplast

H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

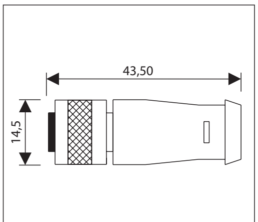
3 WIRE

COD.	"C"	"CN"	"R"	"RN"	"CS"	"RS"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	PVC SHIELDED CABLE	PUR SHIELDED CABLE
Sections	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V
Diameter	4.7 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.8 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15
Outer Jacket	PVC UL/CSA Oil Resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Black RAL 9005 Flame Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR compound Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2
Reference standards	UL	UL	UL	UL	UL	UL
Working temperature	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App	-5 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	120 mt / min	---	---
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	5 mt / secq	---	5 mt / secq

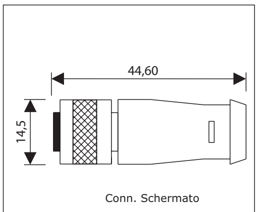
M12 CONNECTORS • 4 PINS

FEMALE AX

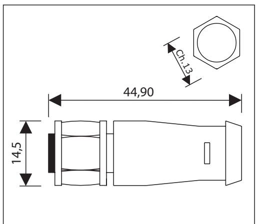

Cod. AS-M12FAX04*****



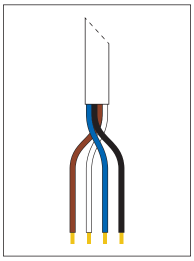
Cod. AS-M12FAX04****

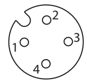


Cod. AS-M12FAX04****H



Cod. AS-M12FAX04*****X

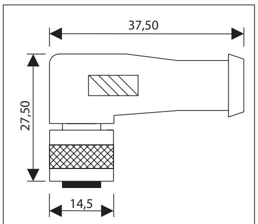




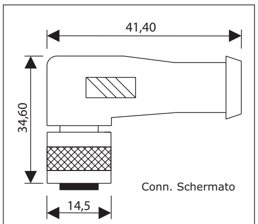
COLOURS TABLE		
1		BN
2		WH
3		BU
4		BK

FEMALE RD

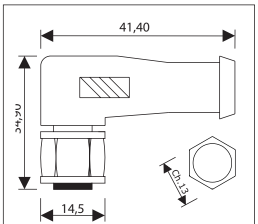

Cod. AS-M12FRD04*****



Cod. AS-M12FRD04****



Cod. AS-M12FRD04****H



Cod. AS-M12FRD04*****X

CODE COMPOSITION

AX = *Straight*
RD = 90°

Cable type (code like table)

AS-M12F**04050* ***/*

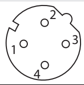
cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

D = Connector Cod. D

G = grafoplast

H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

MORE CONFIGURATIONS		
Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**
Connector D code		**D**

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

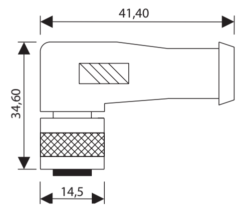
4 WIRE

COD.	"C"	"CUY"	"CN"	"CUN"	"R"	"RUY"	"RN"	"RUN"	"CS"	"CSUN"	"RS"
CABLE SPECIFICATIONS	*UL/CSA PVC CABLE*	*UL/CSA PVC CABE*	*UL/CSA PVC CABLE*	*UL/CSA PVC CABLE*	*UL/CSA PUR CABLE*	*ULCSA PUR CABLE*	*UL/CSA PUR CABLE*	*UL/CSA PUR CABLE*	*SHIELDED PVC CABLE*	*PVC SHIELDED CABLE*	*SHIELDED PUR CABLE*
Sections	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 22AWG (4 x 0.34) 80° - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x awg 22 (4 x 0.34) 80°C - 300 V-	4 x 24AWG (4 x 0.25) ST 80°C - 300 V	4 x 22AWG (4 x 0.34) ST 80°C - 300 V	4 x 24AWG (4 x 0.25) ST 80°C - 300 V
Diameter	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.0 +/- 0.2	4.7 +/- 0.2	4.9 +/- 0.2	4.9 +/- 0.2	5,4 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Yellow RAL 1021 DESINA Flam Test	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA STYLE 20549 Yellow RAL 1021 DESINA Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Black - RAL9005 Flam Test FT2	PUR UL/CSA Oil resistant ISO 6722 STYLE 21441 Black RAL 9005 Flam Test FT2	PVC CEI 2022 - II Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 20549 Grey Ral 7035 Flam Test FT1
Reference standards											
Working temperature	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App.	-15 / +80°C Static App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	120 mt / min	150 mt / min	---	150 mt / min	200 mt / min	---	---	40 mt / min
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	4 mt / secq	4 mt / secq	---	4 mt / secq	30 mt / secq	---	---	10 mt / secq

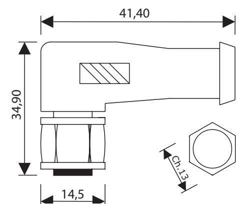
M12 CONNECTORS • 4 PINS with LEDS

FEMALE 4 PINS

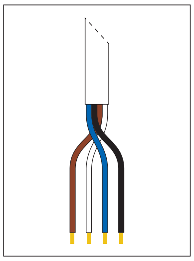
Cod. AS-M12FRD04*****L

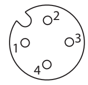


Cod. AS-M12FRD04*****L*



Cod. AS-M12FRD04*****L*X

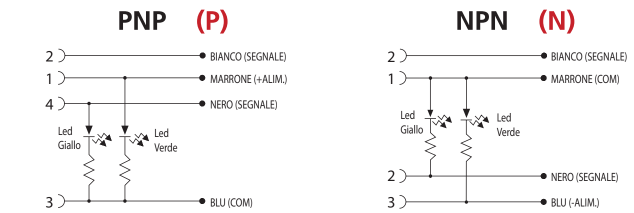




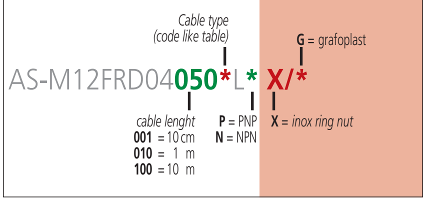
COLOURS TABLE

1		BN
2		WH
3		BU
4		BK

SCHEMA ELETTRICO / *ELECTRICAL LAYOUT*



CODE COMPOSITION | **MORE CONFIGURATIONS**



MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	10-30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

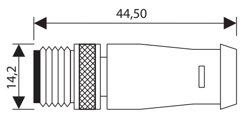
4 WIRE

COD.	"C"	"CUY"	"CN"	"CUN"	"R"	"RUY"	"RN"	"RUN"	"CS"	"CSUN"	"RS"
CABLE SPECIFICATIONS	*UL/CSA PVC CABLE*	*UL/CSA PVC CABE*	*UL/CSA PVC CABLE*	*UL/CSA PVC CABLE*	*UL/CSA PUR CABLE*	*ULCSA PUR CABLE*	*UL/CSA PUR CABLE*	*UL/CSA PUR CABLE*	*SHIELDED PVC CABLE*	*PVC SHIELDED CABLE*	*SHIELDED PUR CABLE*
Sections	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 22AWG (4 x 0.34) 80° - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x awg 22 (4 x 0.34) 80°C - 300 V-	4 x 24AWG (4 x 0.25) ST 80°C - 300 V	4 x 22AWG (4 x 0.34) ST 80°C - 300 V	4 x 24AWG (4 x 0.25) ST 80°C - 300 V
Diameter	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.0 +/- 0.2	4.7 +/- 0.2	4.9 +/- 0.2	4.9 +/- 0.2	5,4 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Yellow RAL 1021 DESINA Flam Test	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA STYLE 20549 Yellow RAL 1021 DESINA Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Black - RAL9005 Flam Test FT2	PUR UL/CSA Oil resistant ISO 6722 STYLE 21441 Black RAL 9005 Flam Test FT2	PVC CEI 2022 - II Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 20549 Grey Ral 7035 Flam Test FT1
Reference standards	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL
Working temperature	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App.	-15 / +80°C Static App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	120 mt / min	150 mt / min	---	150 mt / min	200 mt / min	---	---	40 mt / min
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	4 mt / secq	4 mt / secq	---	4 mt / secq	30 mt / secq	---	---	10 mt / secq

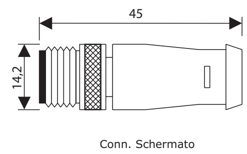
M12 CONNECTORS • 4 PINS

MALE AX

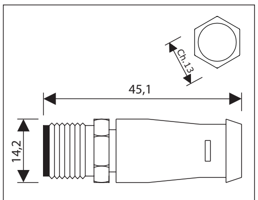
Cod. AS-M12MAX04*****



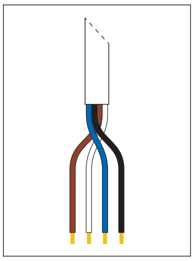
Cod. AS-M12MAX04****

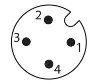


Cod. AS-M12MAX04****H



Cod. AS-M12MAX04*****X



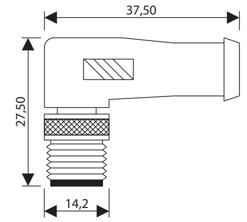


COLOURS TABLE

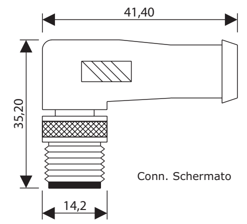
1	BN
2	WH
3	BU
4	BK

MALE RD

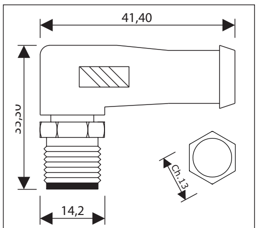
Cod. AS-M12MRD04*****



Cod. AS-M12MRD04****



Cod. AS-M12MRD04****H



Cod. AS-M12MRD04*****X

CODE COMPOSITION

AX = *Straight*
RD = 90°

Cable type (code like table)

AS-M12M**04050* ***/*

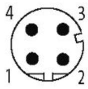
cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

D = Connector Cod. D
G = grafoplast

H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H
Connector D code		D

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

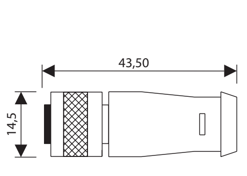
4 WIRE

COD.	"C"	"CUY"	"CN"	"CUN"	"R"	"RUY"	"RN"	"RUN"	"CS"	"CSUN"	"RS"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABE	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	ULCSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	SHIELDED PVC CABLE	PVC SHIELDED CABLE	SHIELDED PUR CABLE
Sections	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 22AWG (4 x 0.34) 80° - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x awg 22 (4 x 0.34) 80°C - 300 V-	4 x 24AWG (4 x 0.25) ST 80°C - 300 V	4 x 22AWG (4 x 0.34) ST 80°C - 300 V	4 x 24AWG (4 x 0.25) ST 80°C - 300 V
Diameter	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.0 +/- 0.2	4.7 +/- 0.2	4.9 +/- 0.2	4.9 +/- 0.2	5,4 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Yellow RAL 1021 DESINA Flam Test	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA STYLE 20549 Yellow RAL 1021 DESINA Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Black - RAL9005 Flam Test FT2	PUR UL/CSA Oil resistant ISO 6722 STYLE 21441 Black RAL 9005 Flam Test FT2	PVC CEI 2022 - II Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 20549 Grey Ral 7035 Flam Test FT1
Reference standards											
Working temperature	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App.	-15 / +80°C Static App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	120 mt / min	150 mt / min	---	150 mt / min	200 mt / min	---	---	40 mt / min
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	4 mt / secq	4 mt / secq	---	4 mt / secq	30 mt / secq	---	---	10 mt / secq

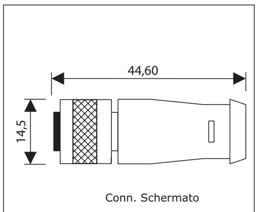
M12 CONNECTORS • 5 PINS

FEMALE AX

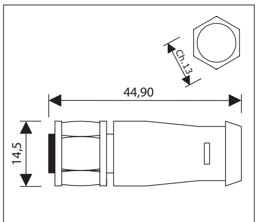
Cod. AS-M12FAX05*****



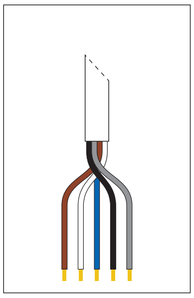
Cod. AS-M12FAX05****

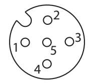


Cod. AS-M12FAX05****H



Cod. AS-M12FAX05*****X



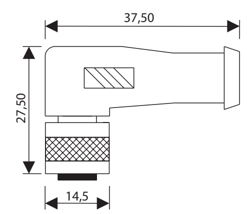


COLOURS TABLE

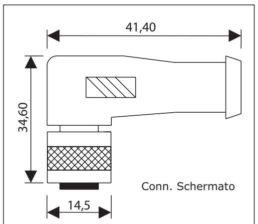
1		BN
2		WH
3		BU
4		BK
5		GY

FEMALE RD

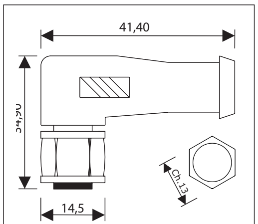
Cod. AS-M12FRD05*****



Cod. AS-M12FRD05****



Cod. AS-M12FRD05****H



Cod. AS-M12FRD05*****X

CODE COMPOSITION

AX = *Straight*
RD = *90°*

Cable type (code like table)

AS-M12F**05050***B/*

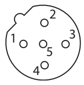
cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

B = Connector Cod. B
G = grafoplast

H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**
Connector B code		**B**

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

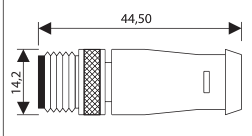
5 WIRE

COD.	"C"	"CUY"	"CN"	"R"	"RN"	"RUN"	"CS"	"CSUY"	CSUN"	"RSUN"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	SHIELDED PVC CABLE	SHIELDED PVC CABLE	SHIELDED PVC CABLE	SHIELDED PURCABLE
Sections	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 22AWG (5 x 0.34) 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 22AWG (5 x 0.34) ST 80°C - 300 V
Diameter	5 +/- 0.2	4.8 +/- 0.2	4.7 +/- 0.2	5 +/- 0.2	5 +/- 0.2	4.9 +/- 0.2	5.6 +/- 0.2	5.1 +/- 0.2	5.6 +/- 0.2	6.3 +/- 0.2
Conductor	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10
Outer Jacket	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 20167 STYLE 2464 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Black Flam Test FT1	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Black Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Yellow Ral 1021 DESINA Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Halogen Free - Black Flam Test FT1
Reference standards										
Working temperature	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App. +5 / +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. -5/ +80°C Dynamic App.	-40 / +80°C Static App. -5/ +80°C Dynamic App.	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App.	-5 / +80°C Static App.	-40 / +80°C Static App. -5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	12 x Ø esterno	7 x Ø esterno
Shield	---	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	90 mt / min	150 mt / min	200 mt / min	90 mt / min	---	---	220 mt / min
Acceleration	4 mt / secq	4 mt / secq	4 mt / secq	5 mt / secq	4 mt / secq	30 mt / secq	4 mt / secq	---	---	10 mt / secq

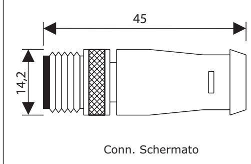
M12 CONNECTORS • 5 PINS

MALE AX

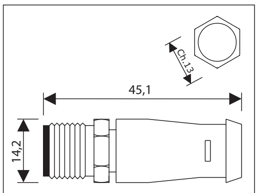

Cod. AS-M12MAX05*****



Cod. AS-M12MAX05****



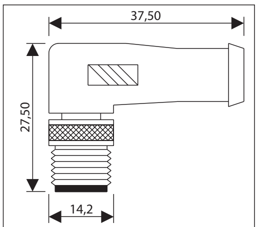
Cod. AS-M12MAX05****H



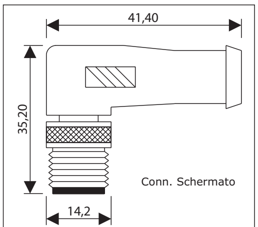
Cod. AS-M12MAX05*****X

MALE RD

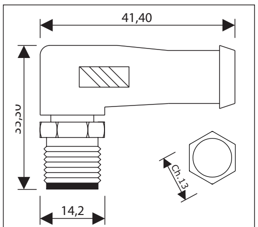

Cod. AS-M12MRD05*****



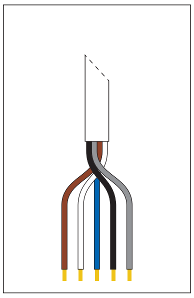
Cod. AS-M12MRD05****

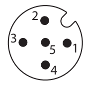


Cod. AS-M12MRD04****H



Cod. AS-M12MRD05*****X





COLOURS TABLE

1	BN
2	WH
3	BU
4	BK
5	GY

CODE COMPOSITION

AS-M12M**05050* **B/*

AX = *Straight*
RD = 90°

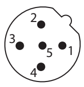
Cable type (code like table)

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

B = Connector Cod. B
G = grafoplast
H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H
Connector B code		B

TECHNICAL SPECIFICATIONS

Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

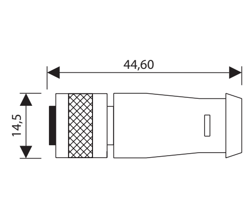
5 WIRE

COD.	"C"	"CUY"	"CN"	"R"	"RN"	"RUN"	"CS"	"CSUY"	"CSUN"	"RSUN"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	SHIELDED PVC CABLE	SHIELDED PVC CABLE	SHIELDED PVC CABLE	SHIELDED PURCABLE
Sections	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 22AWG (5 x 0.34) 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 22AWG (5 x 0.34) ST 80°C - 300 V
Diameter	5 +/- 0.2	4.8 +/- 0.2	4.7 +/- 0.2	5 +/- 0.2	5 +/- 0.2	4.9 +/- 0.2	5.6 +/- 0.2	5.1 +/- 0.2	5.6 +/- 0.2	6.3 +/- 0.2
Conductor	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10
Outer Jacket	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 20167 STYLE 2464 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Black Flam Test FT1	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Black Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Yellow Ral 1021 DESINA Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Halogen Free - Black Flam Test FT1
Reference standards										
Working temperature	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App. +5 / +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. -5/ +80°C Dynamic App.	-40 / +80°C Static App. -5/ +80°C Dynamic App.	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App.	-5 / +80°C Static App.	-40 / +80°C Static App. -5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	12 x Ø esterno	7 x Ø esterno
Shield	---	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	90 mt / min	150 mt / min	200 mt / min	90 mt / min	---	---	220 mt / min
Acceleration	4 mt / secq	4 mt / secq	4 mt / secq	5 mt / secq	4 mt / secq	30 mt / secq	4 mt / secq	---	---	10 mt / secq

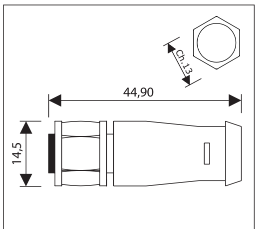
M12 CONNECTORS • 6 PINS

FEMALE AX

Cod. AS-M12FAX06*****



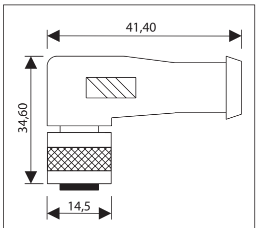
Cod. AS-M12FAX06*****



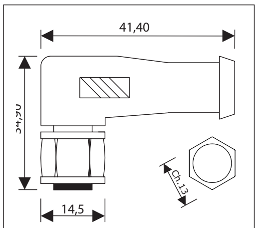
Cod. AS-M12FAX06*****X

FEMALE RD

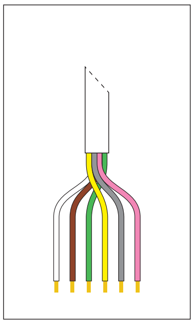
Cod. AS-M12FRD06*****

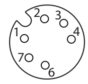


Cod. AS-M12FRD06*****



Cod. AS-M12FRD06*****X





COLOURS TABLE

1	WH
2	BN
3	GN
4	YE
6	GY
7	PK

CODE COMPOSITION

AS-M12F**06050* **/*

- **AX** = Straight, **RD** = 90°
- Cable type (code like table)
- cable lenght: **001** = 10 cm; **010** = 1 m; **100** = 10 m

MORE CONFIGURATIONS

- **G** = grafoplast
- **H** = shielded connector
- **X** = inox ring nut
- **HX** = shielded connector and inox ring nut

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H

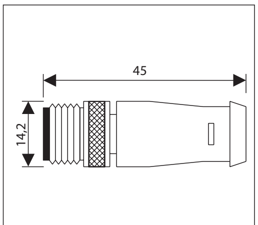
COD.	C	CS
CABLE SPECIFICATIONS	PVC CABLE	PVC SHIELDED CABLE
Sections	6 x 24AWG (6 x 0.25) 80°C - 300 V	6 x 24AWG (6 x 0.25) ST 80°C - 300 V
Diameter	5.9 +/- 0.15	6.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 32 x 0.10
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 20167 Grey RAL 7035 Flam Retardant FT1	PVC UL/CSA Oil Resistant UL 1581 STYLE 20167 Grey RAL 7035 Flam Retardant
Reference standards		
Working temperature	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	12 x Ø esterno
Shield	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	---
Acceleration	4 mt / secq	---

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	2 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

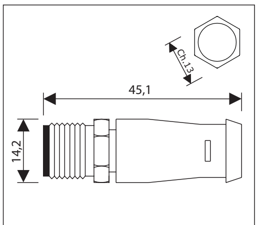
M12 CONNECTORS • 6 PINS

MALE AX


Cod. AS-M12MAX06*****



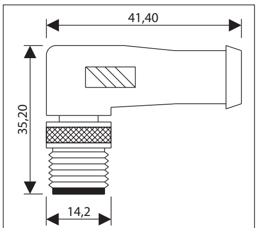
Cod. AS-M12MAX06*****



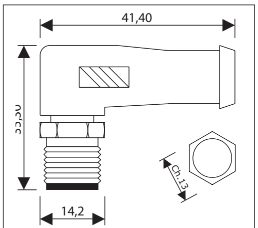
Cod. AS-M12MAX06*****X

MALE RD

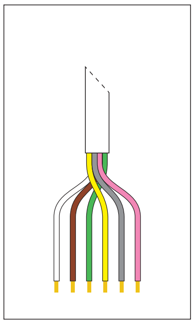

Cod. AS-M12MRD06*****

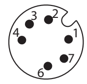


Cod. AS-M12MRD06*****



Cod. AS-M12MRD06*****X





COLOURS TABLE

1	WH
2	BN
3	GN
4	YE
6	GY
7	PK

CODE COMPOSITION

AX = Straight
RD = 90°

Cable type (code like table)

AS-M12M**06050* **/*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = grafoplast

H = shielded connector
X = inox ring nut
HX = shielded connector and inox ring nut

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H

COD.	C	CS
CABLE SPECIFICATIONS	PVC CABLE	PVC SHIELDED CABLE
Sections	6 x 24AWG (6 x 0.25) 80°C - 300 V	6 x 24AWG (6 x 0.25) ST 80°C - 300 V
Diameter	5.9 +/- 0.15	6.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 32 x 0.10
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 20167 Grey RAL 7035 Flam Retardant FT1	PVC UL/CSA Oil Resistant UL 1581 STYLE 20167 Grey RAL 7035 Flam Retardant
Reference standards	UR	UR
Working temperature	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	12 x Ø esterno
Shield	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	---
Acceleration	4 mt / secq	---

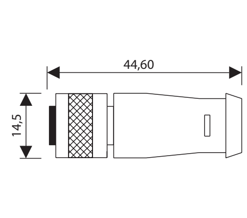
TECHNICAL SPECIFICATIONS

Reference standards	IEC 61076-2-101
Nominal Currents	2 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

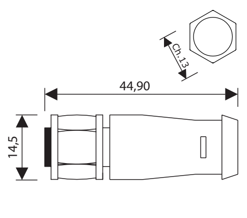
M12 CONNECTORS • 8 PINS

FEMALE AX

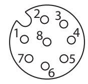
Cod. AS-M12FAX08*****



Cod. AS-M12FAX08*****

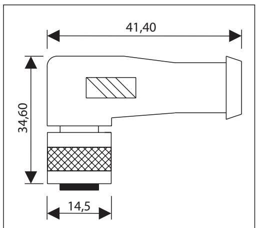


Cod. AS-M12FAX08*****X

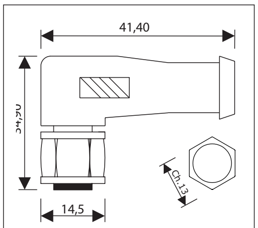


FEMALE RD

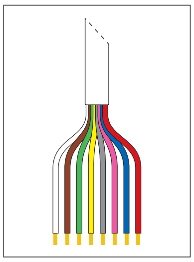
Cod. AS-M12FRD08*****



Cod. AS-M12FRD08*****



Cod. AS-M12FRD08*****X



COLOURS TABLE

1		WH
2		BN
3		GN
4		YE
5		GY
6		PK
7		BU
8		RD

CODE COMPOSITION

AX = *Straight*
RD = 90°

Cable type
(code like table)

AS-M12F**08050* **/*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = grafoplast

H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	2 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

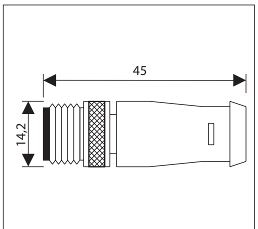
8 WIRE

COD.	"C"	"CUY"	"CUN"	"RUN"	"CS"	"CSUY"	"CSUN"	"RSUN"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PUR SHIELDED CABLE
Sections	8 x 24AWG (8 x 0.22) 80°C - 300 V	8 x 24AWG (8 x 0.25) 80°C - 300 V	8 x 24AWG (8 x 0.25) 80°C - 300 V	8 x 24AWG (8 x 0.25) 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V
Diameter	5.8 +/- 0.2	6.8 +/- 0.2	5.8 +/- 0.2	6.0 +/- 0.2	6.7 +/- 0.2	6.8 +/- 0.2	6.5 +/- 0.1	6.7 +/- 0.2
Conductor	PVC classe 6 FLEX 7 x 0.20	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 19 x 0.13	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey RAL 7035 Flam Test FT1	PVC UL/CSA STYLE 2095 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA STYLE 2464 Black Flam Test FT1	PUR UL/CSA STYLE 20233 Black Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Grey RAL 7035 Flam Test FT1	PVC UL/CSA STYLE 2095 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2
Reference standards								
Working temperature	-25 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-40 / +80°C Static App. -5/ +80°C Dynamic App.	-5 / +80°C Static App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	7 x Ø esterno	12 x Ø esterno	10 x Ø esterno	12 x Ø esterno	7 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	220 mt / min	---	---	---	200 mt / min
Acceleration	4 mt / secq	4 mt / secq	4 mt / secq	10 mt / secq	---	---	---	5 mt / secq

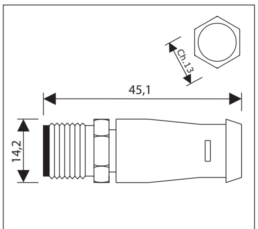
M12 CONNECTORS • 8 PINS

MALE AX

Cod. AS-M12MAX08*****



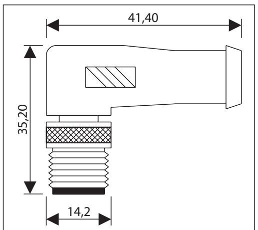
Cod. AS-M12MAX08*****



Cod. AS-M12MAX08*****X

MALE RD

Cod. AS-M12MRD08*****



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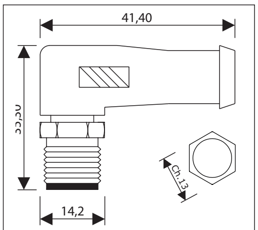
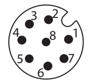
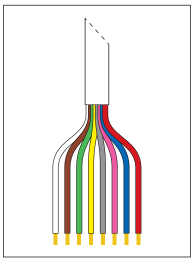


Cod. AS-M12MRD08*****X





COLOURS TABLE

1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD

CODE COMPOSITION

AX = *Straight*
RD = 90°

Cable type (code like table)

AS-M12M**08050* **/*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = grafoplast

H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	2 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

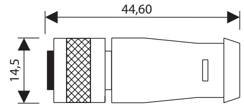
8 WIRE

COD.	"C"	"CUY"	"CUN"	"RUN"	"CS"	"CSUY"	"CSUN"	"RSUN"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PUR SHIELDED CABLE
Sections	8 x 24AWG (8 x 0.22) 80°C - 300 V	8 x 24AWG (8 x 0.25) 80°C - 300 V	8 x 24AWG (8 x 0.25) 80°C - 300 V	8 x 24AWG (8 x 0.25) 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V
Diameter	5.8 +/- 0.2	6.8 +/- 0.2	5.8 +/- 0.2	6.0 +/- 0.2	6.7 +/- 0.2	6.8 +/- 0.2	6.5 +/- 0.1	6.7 +/- 0.2
Conductor	PVC classe 6 FLEX 7 x 0.20	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 19 x 0.13	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey RAL 7035 Flam Test FT1	PVC UL/CSA STYLE 2095 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA STYLE 2464 Black Flam Test FT1	PUR UL/CSA STYLE 20233 Black Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Grey RAL 7035 Flam Test FT1	PVC UL/CSA STYLE 2095 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2
Reference standards								
Working temperature	-25 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-40 / +80°C Static App. -5/ +80°C Dynamic App.	-5 / +80°C Static App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	7 x Ø esterno	12 x Ø esterno	10 x Ø esterno	12 x Ø esterno	7 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	220 mt / min	---	---	---	200 mt / min
Acceleration	4 mt / secq	4 mt / secq	4 mt / secq	10 mt / secq	---	---	---	5 mt / secq

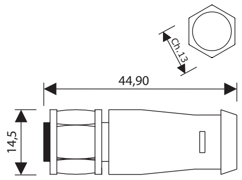
M12 CONNECTORS • 12 PINS

FEMALE AX

Cod. AS-M12FAX12*****



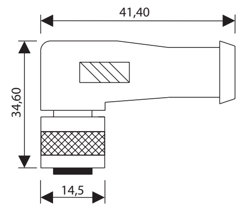
Cod. AS-M12FAX12*****



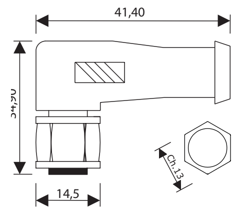
Cod. AS-M12FAX12*****X

FEMALE RD

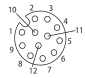
Cod. AS-M12FRD12*****



Cod. AS-M12FRD12*****



Cod. AS-M12FRD12*****X



COLOURS TABLE

1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD
9	BK
10	VT
11	GYPK
12	RDBU

CODE COMPOSITION

AX = *Straight*
RD = *90°*

Cable type (code like table)

AS-M12F**12050***/*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

G = grafoplast

H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

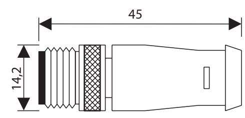
COD.	C	R	CS	RS
Cable specifications	*UL/CSA PVC CABLE*	*UL/CSA PUR CABLE*	*UL/CSA PVC SHIELDED CABLE*	*UL/CSA PUR SHIELDED CABLE*
Sections	12 x awg 24 (12 x 0,25) 80° - 300 V	12 x awg 24 (12 x 0,25) 80° - 300 V	12 x awg 24 ST (12 x 0,25) 80° - 300 V	12 x awg 24 ST (12 x 0,25) 80° - 300 V
Diameter	6.5 +/- 0.2	7.1 +/- 0.2	6.9 +/- 0.2	7.6 +/- 0.2
Conductor	TPO Classe 5 FLEX	TPO Classe 6 FLEX	TPO Classe 5 FLEX	TPO Classe 6 FLEX
Outer Jacket	PVC UL/CSA STYLE 21179 Grey DESINA Flam Retardant FT1	PUR UL/CSA STYLE 21576 Grey DESINA Flam Retardant FT2	PVC UL/CSA STYLE 21179 Grey DESINA Flam Retardant FT1	PUR UL/CSA STYLE 21576 Grey DESINA Flam Retardant FT2
Reference standards				
Working temperature	-30 / +80°C Static App. -5 / +80°C Mobile App.	-40 / +80°C Static App. -30 / +80°C Mobile App.	-30 / +80°C Static App. -5 / +80°C Mobile App.	-40 / +80°C Static App. -30 / +80°C Mobile App.
Bending radius	6 x Ø esterno Static App. 15 x Ø esterno Dynamic App.	5 x Ø esterno Static App. 5 x Ø esterno Dynamic App.	6 x Ø esterno Static App. 15 x Ø esterno Dynamic App.	5 x Ø esterno Static App. 7.5 x Ø esterno Dynamic App.
Shield	---	---	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	300 mt / min	---	300 mt / min
Acceleration	---	40 mt / secq	---	40 mt / secq

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	1.5 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

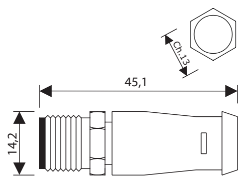
M12 CONNECTORS • 12 PINS

MALE AX

Cod. AS-M12MAX12*****



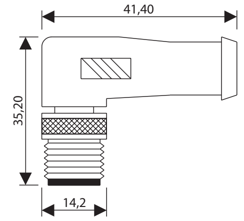
Cod. AS-M12MAX12*****



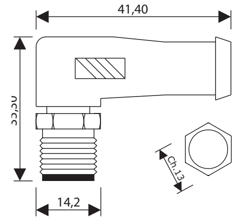
Cod. AS-M12MAX12*****X

MALE RD

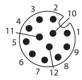
Cod. AS-M12MRD12*****



Cod. AS-M12MRD12*****



Cod. AS-M12MRD12*****X



COLOURS TABLE

1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD
9	BK
10	VT
11	GYPK
12	RDBU

CODE COMPOSITION

AS-M12M**12050***/*

- **AX** = *Straight*
- **RD** = 90°
- *Cable type (code like table)*
- *cable lenght*
  - **001** = 10 cm
  - **010** = 1 m
  - **100** = 10 m

MORE CONFIGURATIONS

- **G** = grafoplast
- **H** = *shielded connector*
- **X** = *inox ring nut*
- **HX** = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

COD.	C	R	CS	RS
CABLE SPECIFICATIONS	*UL/CSA PVC CABLE*	*UL/CSA PUR CABLE*	*UL/CSA PVC SHIELDED CABLE*	*UL/CSA PUR SHIELDED CABLE*
Sections	12 x awg 24 (12 x 0,25) 80° - 300 V	12 x awg 24 (12 x 0,25) 80° - 300 V	12 x awg 24 ST (12 x 0,25) 80° - 300 V	12 x awg 24 ST (12 x 0,25) 80° - 300 V
Diameter	6.5 +/- 0.2	7.1 +/- 0.2	6.9 +/- 0.2	7.6 +/- 0.2
Conductor	TPO Classe 5 FLEX	TPO Classe 6 FLEX	TPO Classe 5 FLEX	TPO Classe 6 FLEX
Outer Jacket	PVC UL/CSA STYLE 21179 Grey DESINA Flam Retardant FT1	PUR UL/CSA STYLE 21576 Grey DESINA Flam Retardant FT2	PVC UL/CSA STYLE 21179 Grey DESINA Flam Retardant FT1	PUR UL/CSA STYLE 21576 Grey DESINA Flam Retardant FT2
Reference standards	UL	UL	UL	UL
Working temperature	-30 / +80°C Static App. -5 / +80°C Mobile App.	-40 / +80°C Static App. -30 / +80°C Mobile App.	-30 / +80°C Static App. -5 / +80°C Mobile App.	-40 / +80°C Static App. -30 / +80°C Mobile App.
Bending radius	6 x Ø esterno Static App. 15 x Ø esterno Dynamic App.	5 x Ø esterno Static App. 5 x Ø esterno Dynamic App.	6 x Ø esterno Static App. 15 x Ø esterno Dynamic App.	5 x Ø esterno Static App. 7.5 x Ø esterno Dynamic App.
Shield	---	---	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	300 mt / min	---	300 mt / min
Acceleration	---	40 mt / secq	---	40 mt / secq

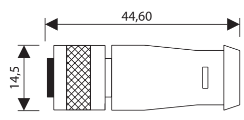
TECHNICAL SPECIFICATIONS

Reference standards	IEC 61076-2-101
Nominal Currents	1.5 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

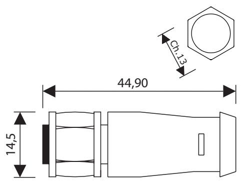
M12 CONNECTORS • 17 PINS

FEMALE AX

Cod. AS-M12FAX17*****



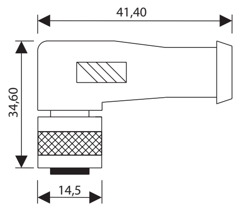
Cod. AS-M12FAX17*****



Cod. AS-M12FAX17*****X

FEMALE RD

Cod. AS-M12FRD17*****



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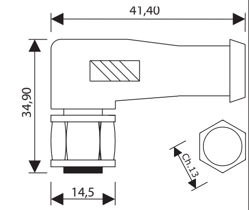
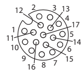


Cod. AS-M12FRD17*****X



COLOURS TABLE

1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD
9	BK
10	VT
11	GYPK
12	RDBU
13	WHGN
14	BNGN
15	WHYE
16	YEBN
17	WHGY

CODE COMPOSITION

AX = *Straight*
RD = 90°

Cable type (code like table)

AS-M12F**17050*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

**/*

G = grafoplast

H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

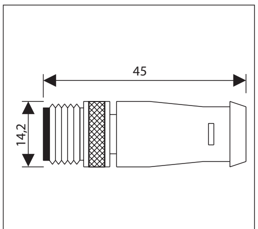
COD.	C	R	CS	RS
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PUR SHIELDED CABLE
Sections	17 x awg 26 (17 x 0.14) 80° - 300 V	17 x awg 26 (17 x 0.14) 80° - 300 V	17 x awg 26 ST (17 x 0.14) 80° - 300 V	17 x awg 26 ST (17 x 0.14) 80° - 300 V
Diameter	7.3 +/- 0.2	7.1 +/- 0.2	7.9 +/- 0.2	7.6 +/- 0.2
Conductor	TPO Classe 5 FLEX	TPO Classe 6 FLEX	TPO Classe 5 FLEX	TPO Classe 6 FLEX
Outer Jacket	PVC UL/CSA STYLE 21179 Grey DESINA Flam Retardant FT1	PUR UL/CSA STYLE 21576 Grey DESINA Flam Retardant FT2	PVC UL/CSA STYLE 21179 Grey DESINA Flam Retardant FT1	PUR UL/CSA STYLE 21576 Grey DESINA Flam Retardant FT2
Reference standards	UL	UL	UL	UL
Working temperature	-30 / +80°C Static App. -5 / +80°C Mobile App.	-40 / +80°C Static App. -30 / +80°C Mobile App.	-30 / +80°C Static App. -5 / +80°C Mobile App.	-40 / +80°C Static App. -30 / +80°C Mobile App.
Bending radius	6 x Ø esterno Static App. 15 x Ø esterno Dynamic App.	5 x Ø esterno Static App. 5 x Ø esterno Dynamic App.	6 x Ø esterno Static App. 15 x Ø esterno Dynamic App.	5 x Ø esterno Static App. 7.5 x Ø esterno Dynamic App.
Shield	---	---	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	300 mt / min	---	300 mt / min
Acceleration	---	40 mt / secq	---	40 mt / secq

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	1.5 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

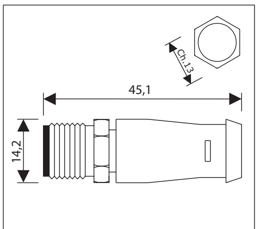
M12 CONNECTORS • 17 PINS

MASCHIO AX /

Cod. AS-M12MAX17*****



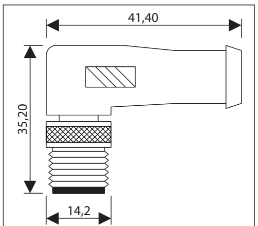
Cod. AS-M12MAX17*****



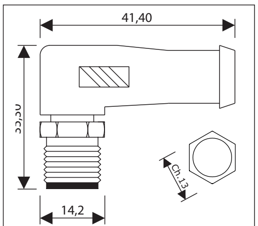
Cod. AS-M12MAX17*****X

MALE RD

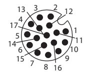
Cod. AS-M12MRD17*****



Cod. AS-M12MRD17*****



Cod. AS-M12MRD17*****X



COLOURS TABLE

1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD
9	BK
10	VT
11	GYPK
12	RDBU
13	WHGN
14	BNGN
15	WHYE
16	YEBN
17	WHGY

CODE COMPOSITION

AS-M12M**17050* **/*

- **AX** = *Straight*
- **RD** = *90°*
- *Cable type (code like table)*
- *cable lenght*
  - **001** = 10 cm
  - **010** = 1 m
  - **100** = 10 m

MORE CONFIGURATIONS

- **G** = grafoplast
- **H** = *shielded connector*
- **X** = *inox ring nut*
- **HX** = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

COD.	C	R	CS	RS
CABLE SPECIFICATIONS	*UL/CSA PVC CABLE*	*UL/CSA PUR CABLE*	*UL/CSA PVC SHIELDED CABLE*	*UL/CSA PUR SHIELDED CABLE*
Sections	17 x awg 26 (17 x 0.14) 80° - 300 V	17 x awg 26 (17 x 0.14) 80° - 300 V	17 x awg 26 (17 x 0.14) 80° - 300 V	17 x awg 26 (17 x 0.14) 80° - 300 V
Diameter	7.3 +/- 0.2	7.1 +/- 0.2	7.9 +/- 0.2	7.6 +/- 0.2
Conductor	TPO Classe 5 FLEX	TPO Classe 6 FLEX	TPO Classe 5 FLEX	TPO Classe 6 FLEX
Outer Jacket	PVC UL/CSA STYLE 21179 Grey DESINA Flam Retardant FT1	PUR UL/CSA STYLE 21576 Grey DESINA Flam Retardant FT2	PVC UL/CSA STYLE 21179 Grey DESINA Flam Retardant FT1	PUR UL/CSA STYLE 21576 Grey DESINA Flam Retardant FT2
Reference standards	UL	UL	UL	UL
Working temperature	-30 / +80°C Static App. -5 / +80°C Mobile App.	-40 / +80°C Static App. -30 / +80°C Mobile App.	-30 / +80°C Static App. -5 / +80°C Mobile App.	-40 / +80°C Static App. -30 / +80°C Mobile App.
Bending radius	6 x Ø esterno Static App. 15 x Ø esterno Dynamic App.	5 x Ø esterno Static App. 5 x Ø esterno Dynamic App.	6 x Ø esterno Static App. 15 x Ø esterno Dynamic App.	5 x Ø esterno Static App. 7.5 x Ø esterno Dynamic App.
Shield	---	---	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	300 mt / min	---	300 mt / min
Acceleration	---	40 mt / secq	---	40 mt / secq

TECHNICAL SPECIFICATIONS

Reference standards	IEC 61076-2-101
Nominal Currents	1.5 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

IC AUTOMATION

Extenders

Linear

Ad Y

EXTENDERS M8 - M12 3 PINS

M8 CONNECTORS

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	3 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

M12 CONNECTORS

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

3 WIRE

COD.	"C"	"CN"	"R"	"RN"	"CS"	"RS"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	PVC SHIELDED CABLE	PUR SHIELDED CABLE
Sections	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V
Diameter	4.7 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.8 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15
Outer Jacket	PVC UL/CSA Oil Resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Black RAL 9005 Flame Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR compound Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2
Reference standards						
Working temperature	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App	-5 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	120 mt / min	---	---
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	5 mt / secq	---	5 mt / secq

IC AUTOMATION

EXTENDERS M8 - M12 3 PINS

MORE CONFIGURATIONS		
Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

CODE COMPOSITION

AS-PL**050**0303/*** **/*

Cable type (code like table)

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

Code (like tab)

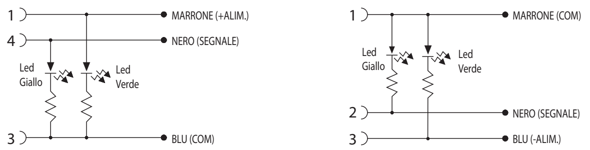
MORE CONFIGURATIONS

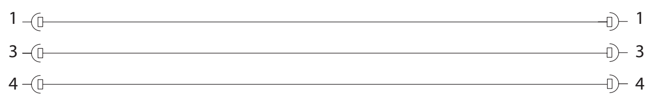
G = grafoplast

H = shielded connector
X = inox ring nut
HX = shielded connector and inox ring nut

SCHEMA ELETTRICO / *ELECTRICAL LAYOUT*

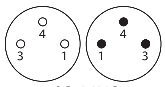
PNP (P) **NPN (N)**





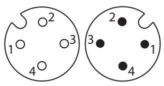
A, B:

M8



03 *PINS*

M12



03 *PINS*

COLOURS TABLE	
1	BN
3	BU
4	BK

B 3 PINS		A 3 PINS: M12 F AX	M12 F RD	M12 F RD LED	M12 M AX	M12 M RD	M8 F AX	M8 F RD	M8 M AX	M8 M RD
M8	M RD	09	17	23N 23P	29	34	38	41	43	44
M8	M AX	08	16	22N 22P	28	33	37	40	42	
M8	F RD	07	15	21N 21P	27	32	36	39		
M8	F AX	06	14	20N 20P	26	31	35			
M12	M RD	05	13	19N 19P	25	30				
M12	M AX	04	12	18N 18P	24					
M12	F RD LED	03N 03P	11N 11P							
M12	F RD	02	10							
M12	F AX	01								

EXTENDERS M8 - M12 4 PINS

M8 CONNECTORS

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	3 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

M12 CONNECTORS

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

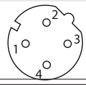
4 WIRE

COD.	"C"	"CUY"	"CN"	"CUN"	"R"	"RUY"	"RN"	"RUN"	"CS"	"CSUN"	"RS"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABE	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	ULCSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	SHIELDED PVC CABLE	PVC SHIELDED CABLE	SHIELDED PUR CABLE
Sections	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 22AWG (4 x 0.34) 80° - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x awg 22 (4 x 0.34) 80°C - 300 V-	4 x 24AWG (4 x 0.25) ST 80°C - 300 V	4 x 22AWG (4 x 0.34) ST 80°C - 300 V	4 x 24AWG (4 x 0.25) ST 80°C - 300 V
Diameter	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.0 +/- 0.2	4.7 +/- 0.2	4.9 +/- 0.2	4.9 +/- 0.2	5,4 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Yellow RAL 1021 DESINA Flam Test	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA STYLE 20549 Yellow RAL 1021 DESINA Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Black - RAL9005 Flam Test FT2	PUR UL/CSA Oil resistant ISO 6722 STYLE 21441 Black RAL 9005 Flam Test FT2	PVC CEI 2022 - II Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 20549 Grey Ral 7035 Flam Test FT1
Reference standards											
Working temperature	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App.	-15 / +80°C Static App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	120 mt / min	150 mt / min	---	150 mt / min	200 mt / min	---	---	40 mt / min
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	4 mt / secq	4 mt / secq	---	4 mt / secq	30 mt / secq	---	---	10 mt / secq

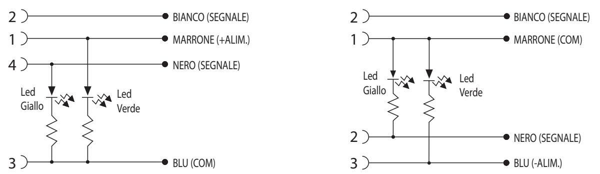
IC AUTOMATION

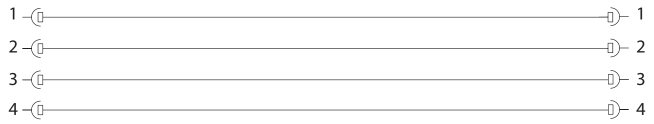
EXTENDERS M8 - M12 4 PINS

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H
Connector D code		D

SCHEMA ELETTRICO / *ELECTRICAL LAYOUT*





CODE COMPOSITION

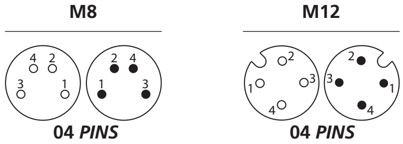
AS-PL0500404/*** **D/*

- Cable type (code like table)
- cable lenght: 001 = 10 cm; 010 = 1 m; 100 = 10 m
- Code (like tab)

MORE CONFIGURATIONS

- D = Connector Cod. D
- G = grafoplast
- H = shielded connector
- X = inox ring nut
- HX = shielded connector and inox ring nut

A, B:



COLOURS TABLE

1	BN
2	WH
3	BU
4	BK

			A 4 PINS								
			M12					**M8**			
			F AX	**F RD**	**F RD LED**	**M AX**	**M RD**	**F AX**	**F RD**	**M AX**	**M RD**
B 4 PINS	**M8**	**M RD**	09	17	23N 23P	29	34	38	41	43	44
		M AX	08	16	22N 22P	28	33	37	40	42	
		F RD	07	15	21N 21P	27	32	36	39		
		F AX	06	14	20N 20P	26	31	35			
	M12	**M RD**	05	13	19N 19P	25	30				
		M AX	04	12	18N 18P	24					
		F RD LED	03N 03P	11N 11P							
		F RD	02	10							
		F AX	01								

EXTENDERS M8 - M12 3-4 PINS

M8 CONNECTORS

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	3 A
Nominal Voltage 3 Pins	60 V AC-DC
Nominal Voltage 4 Pins	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

M12 CONNECTORS

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

3 WIRE

COD.	"C"	"CN"	"R"	"RN"	"CS"	"RS"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	PVC SHIELDED CABLE	PUR SHIELDED CABLE
Sections	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V
Diameter	4.7 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.8 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15
Outer Jacket	PVC UL/CSA Oil Resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Black RAL 9005 Flame Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR compound Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2
Reference standards						
Working temperature	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App	-5 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	120 mt / min	---	---
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	5 mt / secq	---	5 mt / secq

EXTENDERS M8 - M12 3-4 PINS

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H

CODE COMPOSITION

AS-PL0500304/***/**/*

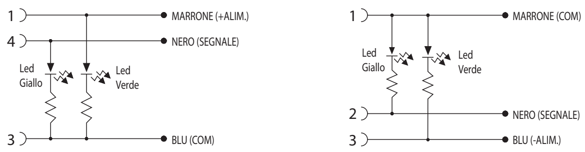
- Cable type (code like table)
- cable lenght: 001 = 10 cm; 010 = 1 m; 100 = 10 m
- Code (like tab)

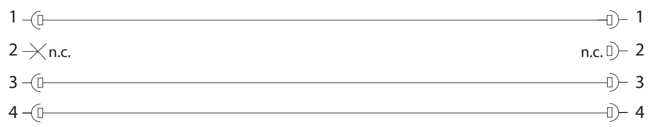
MORE CONFIGURATIONS

- G = grafoplast
- H = shielded connector
- X = inox ring nut
- HX = shielded connector and inox ring nut

SCHEMA ELETTRICO / *ELECTRICAL LAYOUT*

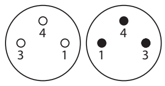
PNP (P) **NPN (N)**





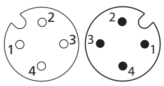
A, B:

M8



03 *PINS*

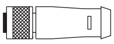
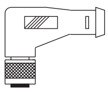
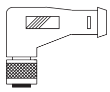
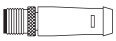
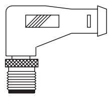
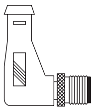
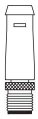
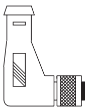
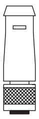
M12



03 *PINS*

COLOURS TABLE

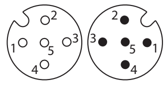
1	brown
3	blue
4	black

			A *4 PINS*				
			M12				
			 **F AX**	 **F RD**	 **F RD LED**	 **M AX**	 **M RD**
B *3 PINS*	**M8**	 **M RD**	09	17	23N 23P	29	34
		 **M AX**	08	16	22N 22P	28	33
		 **F RD**	07	15	21N 21P	27	32
		 **F AX**	06	14	20N 20P	26	31

IC AUTOMATION

EXTENDERS M12 5 PINS

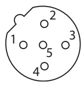
A, B:
M12



05 *PINS*

COLOURS TABLE	
1	BN
2	WH
3	BU
4	BK
5	GY

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H
Connector B code		B

CODE COMPOSITION

Cable type (code like table)

AS-PL**050**0505/***** **B/***

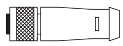
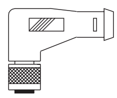
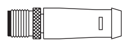
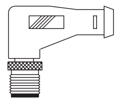
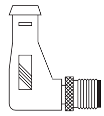
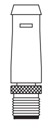
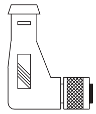
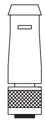
cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

Code (like tab)

MORE CONFIGURATIONS

B = Connector Cod. B
G = grafoplast

H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

B M12 *5 PINS*	**A M12** *5 PINS*:  **F AX**	 **F RD**	 **M AX**	 **M RD**
 **M RD**	05	13	25	30
 **M AX**	04	12	24	
 **F RD**	02	10		
 **F AX**	01			

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

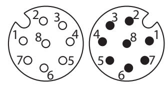
5 WIRE

COD.	"C"	"CUY"	"CN"	"R"	"RN"	"RUN"	"CS"	"CSUY"	"CSUN"	"RSUN"
CABLE SPECIFICATIONS	*UL/CSA PVC CABLE*	*UL/CSA PVC CABLE*	*UL/CSA PUR CABLE*	*UL/CSA PUR CABLE*	*UL/CSA PUR CABLE*	*UL/CSA PUR CABLE*	*SHIELDED PVC CABLE*	*SHIELDED PVC CABLE*	*SHIELDED PVC CABLE*	*SHIELDED PURCABLE*
Sections	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 22AWG (5 x 0.34) 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 22AWG (5 x 0.34) ST 80°C - 300 V
Diameter	5 +/- 0.2	4.8 +/- 0.2	4.7 +/- 0.2	5 +/- 0.2	5 +/- 0.2	4.9 +/- 0.2	5.6 +/- 0.2	5.1 +/- 0.2	5.6 +/- 0.2	6.3 +/- 0.2
Conductor	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10
Outer Jacket	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 20167 STYLE 2464 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Black Flam Test FT1	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Black Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Yellow Ral 1021 DESINA Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Halogen Free - Black Flam Test FT1
Reference standards										
Working temperature	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App. +5 / +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. -5/ +80°C Dynamic App.	-40 / +80°C Static App. -5/ +80°C Dynamic App.	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App.	-5 / +80°C Static App.	-40 / +80°C Static App. -5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	12 x Ø esterno	7 x Ø esterno
Shield	---	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	90 mt / min	150 mt / min	200 mt / min	90 mt / min	---	---	220 mt / min
Acceleration	4 mt / secq	4 mt / secq	4 mt / secq	5 mt / secq	4 mt / secq	30 mt / secq	4 mt / secq	---	---	10 mt / secq

EXTENDERS M12 8 PINS

A, B:

M12



COLOURS TABLE

1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD

A M12 / 8 PINS

B M12 / 8 PINS	F AX	F RD	M AX	M RD
M RD	05	13	25	30
M AX	04	12	24	
F RD	02	10		
F AX	01			

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H

CODE COMPOSITION / MORE CONFIGURATIONS

AS-PL**050**0808/*** **/*

- Cable type (code like table)
- cable lenght: 001 = 10 cm; 010 = 1 m; 100 = 10 m
- Code (like tab)
- G = grafoplast
- H = shielded connector
- X = inox ring nut
- HX = shielded connector and inox ring nut

TECHNICAL SPECIFICATIONS

Reference standards	IEC 61076-2-101
Nominal Currents	2 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

8 WIRE

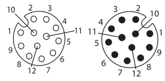
COD.	"C"	"CUY"	"CUN"	"RUN"	"CS"	"CSUY"	"CSUN"	"RSUN"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PUR SHIELDED CABLE
Sections	8 x 24AWG (8 x 0.22) 80°C - 300 V	8 x 24AWG (8 x 0.25) 80°C - 300 V	8 x 24AWG (8 x 0.25) 80°C - 300 V	8 x 24AWG (8 x 0.25) 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V
Diameter	5.8 +/- 0.2	6.8 +/- 0.2	5.8 +/- 0.2	6.0 +/- 0.2	6.7 +/- 0.2	6.8 +/- 0.2	6.5 +/- 0.1	6.7 +/- 0.2
Conductor	PVC classe 6 FLEX 7 x 0.20	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 19 x 0.13	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey RAL 7035 Flam Test FT1	PVC UL/CSA STYLE 2095 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA STYLE 2464 Black Flam Test FT1	PUR UL/CSA STYLE 20233 Black Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Grey RAL 7035 Flam Test FT1	PVC UL/CSA STYLE 2095 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2
Reference standards	UL	UL	UL	UL	UL	UL	UL	UL
Working temperature	-25 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-40 / +80°C Static App. -5/ +80°C Dynamic App.	-5 / +80°C Static App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	7 x Ø esterno	12 x Ø esterno	10 x Ø esterno	12 x Ø esterno	7 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	220 mt / min	---	---	---	200 mt / min
Acceleration	4 mt / secq	4 mt / secq	4 mt / secq	10 mt / secq	---	---	---	5 mt / secq

IC AUTOMATION

EXTENDERS M12 12 PINS

A, B:

M12



12 PINS

COLOURS TABLE

1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD
9	BK
10	VT
11	GYPK
12	RDBU

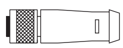
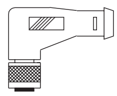
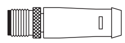
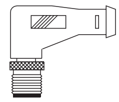
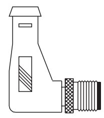
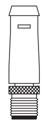
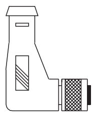
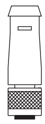
MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

CODE COMPOSITION | **MORE CONFIGURATIONS**

AS-PL**050**1212/*** **/*

- *Cable type (code like table)*
- *cable lenght*: **001** = 10 cm; **010** = 1 m; **100** = 10 m
- *Code (like tab)*
- **G** = grafoplast
- **H** = *shielded connector*
- **X** = *inox ring nut*
- **HX** = *shielded connector and inox ring nut*

B M12 *12 PINS* \ **A M12 *12 PINS***	F AX 	F RD 	M AX 	M RD 
M RD 	05	13	25	30
M AX 	04	12	24	
F RD 	02	10		
F AX 	01			

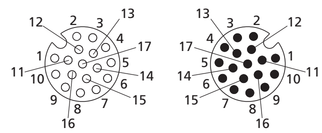
COD.	C	R	CS	RS
CABLE SPECIFICATIONS	*UL/CSA PVC CABLE*	*UL/CSA PUR SHIELDED CABLE*	*UL/CSA PVC SHIELDED CABLE*	*UL/CSA PUR SHIELDED CABLE*
Sections	12 x awg 24 (12 x 0,25) 80° - 300 V	12 x awg 24 (12 x 0,25) 80° - 300 V	12 x awg 24 ST (12 x 0,25) 80° - 300 V	12 x awg 24 ST (12 x 0,25) 80° - 300 V
Diameter	6.5 +/- 0.2	7.1 +/- 0.2	6.9 +/- 0.2	7.6 +/- 0.2
Conductor	TPO Classe 5 FLEX	TPO Classe 6 FLEX	TPO Classe 5 FLEX	TPO Classe 6 FLEX
Outer Jacket	PVC UL/CSA STYLE 21179 Grey DESINA Flam Retardant FT1	PUR UL/CSA STYLE 21576 Grey DESINA Flam Retardant FT2	PVC UL/CSA STYLE 21179 Grey DESINA Flam Retardant FT1	PUR UL/CSA STYLE 21576 Grey DESINA Flam Retardant FT2
Reference standards				
Working temperature	-30 / +80°C Static App. -5 / +80°C Mobile App.	-40 / +80°C Static App. -30 / +80°C Mobile App.	-30 / +80°C Static App. -5 / +80°C Mobile App.	-40 / +80°C Static App. -30 / +80°C Mobile App.
Bending radius	6 x Ø esterno Static App. 15 x Ø esterno Dynamic App.	5 x Ø esterno Static App. 5 x Ø esterno Dynamic App.	6 x Ø esterno Static App. 15 x Ø esterno Dynamic App.	5 x Ø esterno Static App. 7.5 x Ø esterno Dynamic App.
Shield	---	---	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	300 mt / min	---	300 mt / min
Acceleration	---	40 mt / secq	---	40 mt / secq

TECHNICAL SPECIFICATIONS

Reference standards	IEC 61076-2-101
Nominal Currents	1.5 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

IC AUTOMATION

EXTENDERS M12 17 PINS



COLOURS TABLE

1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD
9	BK
10	VT
11	GYPK
12	RDBU
13	WHGN
14	BNGN
15	WHYE
16	YEBN
17	WHGY

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H

CODE COMPOSITION

AS-PL0501717/*** **/*

- Cable type (code like table)
- cable lenght: **001** = 10 cm; **010** = 1 m; **100** = 10 m
- Code (like tab)

MORE CONFIGURATIONS

- **G** = grafoplast
- **H** = shielded connector
- **X** = inox ring nut
- **HX** = shielded connector and inox ring nut

A M12 / 17 PINS

B M12 / 17 PINS	F AX	F RD	M AX	M RD
M RD	05	13	25	30
M AX	04	12	24	
F RD	02	10		
F AX	01			

COD.	C	R	CS	RS
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PUR SHIELDED CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PUR SHIELDED CABLE
Sections	17 x awg 26 (12 x 0.14) 80° - 300 V	17 x awg 26 (12 x 0.14) 80° - 300 V	17 x awg 26 ST (12 x 0.14) 80° - 300 V	17 x awg 26 ST (12 x 0.14) 80° - 300 V
Diameter	7.3 +/- 0.2	7.1 +/- 0.2	7.9 +/- 0.2	7.6 +/- 0.2
Conductor	TPO Classe 5 FLEX	TPO Classe 6 FLEX	TPO Classe 5 FLEX	TPO Classe 6 FLEX
Outer Jacket	PVC UL/CSA STYLE 21179 Grey DESINA Flam Retardant FT1	PUR UL/CSA STYLE 21576 Grey DESINA Flam Retardant FT2	PVC UL/CSA STYLE 21179 Grey DESINA Flam Retardant FT1	PUR UL/CSA STYLE 21576 Grey DESINA Flam Retardant FT2
Reference standards	UL	UL	UL	UL
Working temperature	-30 / +80°C Static App. -5 / +80°C Mobile App.	-40 / +80°C Static App. -30 / +80°C Mobile App.	-30 / +80°C Static App. -5 / +80°C Mobile App.	-40 / +80°C Static App. -30 / +80°C Mobile App.
Bending radius	6 x Ø esterno Static App. 15 x Ø esterno Dynamic App.	5 x Ø esterno Static App. 5 x Ø esterno Dynamic App.	6 x Ø esterno Static App. 15 x Ø esterno Dynamic App.	5 x Ø esterno Static App. 7.5 x Ø esterno Dynamic App.
Shield	---	---	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	300 mt / min	---	300 mt / min
Acceleration	---	40 mt / secq	---	40 mt / secq

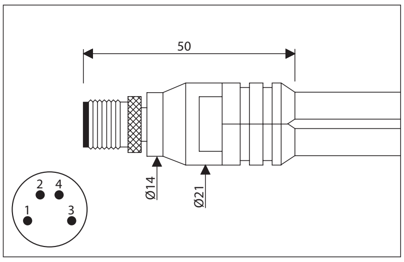
TECHNICAL SPECIFICATIONS

Reference standards	IEC 61076-2-101
Nominal Currents	1.5 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

SERIAL M8 Y EXTENSIONS

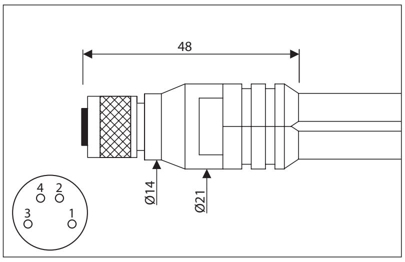
MASCHIO / MALE

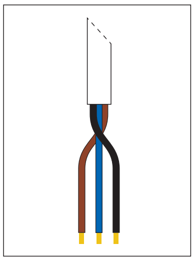
Cod. AS-CY8M******



FEMMINA / FEMALE

Cod. AS-CY8F******





COLOURS TABLE	
1	BN
3	BU
4	BK

CODE COMPOSITION

AS-CY8*050/*** **

- **F** = *female*, **M** = *male*
- *cable lenght*: **001** = 10 cm, **010** = 1 m, **100** = 10 m
- Tipologia cavo (vedi cod. in tabella) / *Cable type (code like table)*
- *Code (like tab)*

MORE CONFIGURATIONS

- **H** = *shielded connector*
- **X** = *inox ring nut*
- **HX** = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

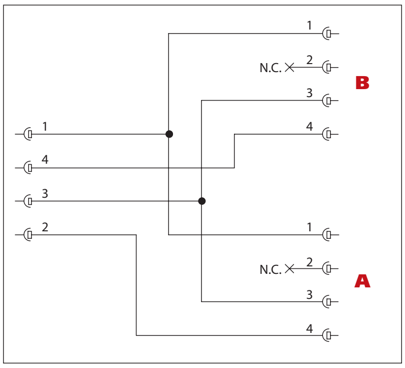
Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

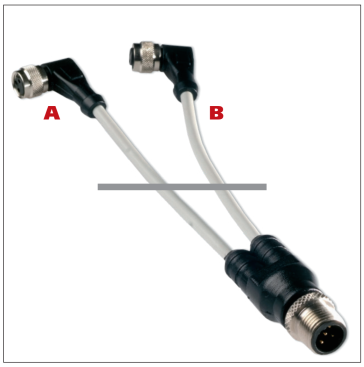
TECHNICAL SPECIFICATIONS	M8	M12
Reference standards	IEC 61076-2-104	IEC 61076-2-101
Nominal Currents	3 A	4 A
Nominal Voltage	30 V AC-DC	250 V AC-DC
Protection Class	IP67	IP67
Resistance	≤ 5mΩ	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install	-20/+80°C Fix Install

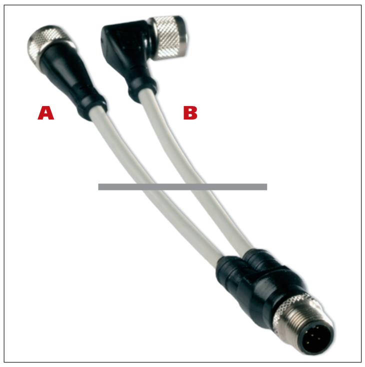
3 WIRE

COD.	"C"	"CN"	"R"	"RN"	"CS"	"RS"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	PVC SHIELDED CABLE	PUR SHIELDED CABLE
Sections	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V
Diameter	4.7 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.8 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15
Outer Jacket	PVC UL/CSA Oil Resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Black RAL 9005 Flame Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR compound Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2
Reference standards						
Working temperature	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App	-5 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	120 mt / min	---	---
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	5 mt / secq	---	5 mt / secq

SERIAL M8 Y EXTENSIONS

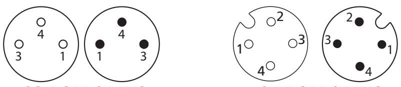






A, B:

M8	M12



03 POLI / *PINS* — 04 POLI / *PINS*

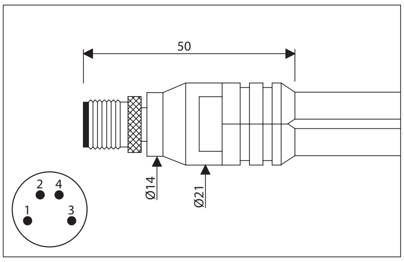
SERIAL connection

SERIAL connection	M12 M AX	M12 M RD	M12 F AX	M12 F RD	M8 M AX	M8 M RD	M8 F AX	M8 F RD	FREE
FREE – FREE	39	47	02	03	56	60	04	05	01
M8 – F RD	38	46	09	12	55	59	14	15	
M8 – F AX	37	45	08	11	54	58	13		
M8 – M RD	36	44	49	51	53	57			
M8 – M AX	35	43	48	50	52				
M12 – F RD	34	42	07	10					
M12 – F AX	33	41	06						
M12 – M RD	32	40							
M12 – M AX	31								

PARALLEL M8 Y EXTENSIONS

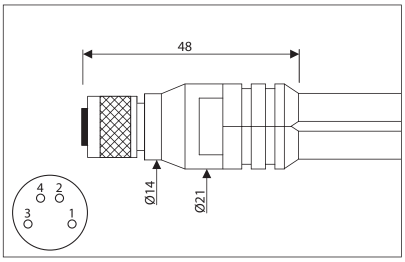
MALE

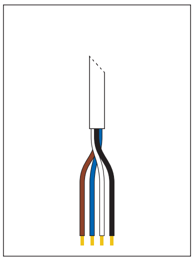
Cod. AS-CY8M******



FEMALE

Cod. AS-CY8F******





COLOURS TABLE		
1		BN
2		WH
3		BU
4		BK

CODE COMPOSITION

AS-CY8*050/*** **

- **F** = female, **M** = male
- Cable type (code like table)
- cable lenght: **001** = 10 cm, **010** = 1 m, **100** = 10 m
- Code (like tab)

MORE CONFIGURATIONS

- **H** = shielded connector
- **X** = inox ring nut
- **HX** = shielded connector and inox ring nut

MORE CONFIGURATIONS

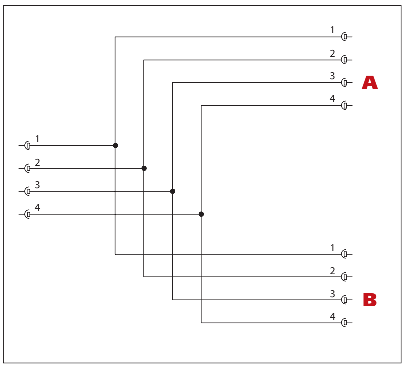
Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H

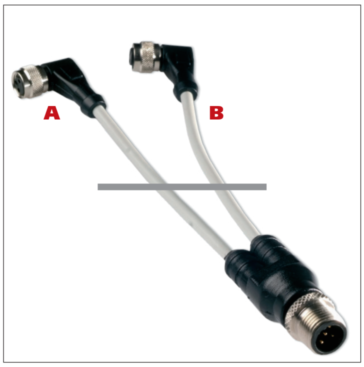
TECHNICAL SPECIFICATIONS	M8	M12
Reference standards	IEC 61076-2-104	IEC 61076-2-101
Nominal Currents	3 A	4 A
Nominal Voltage	30 V AC-DC	250 V AC-DC
Protection Class	IP67	IP67
Resistance	≤ 5mΩ	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install	-20/+80°C Fix Install

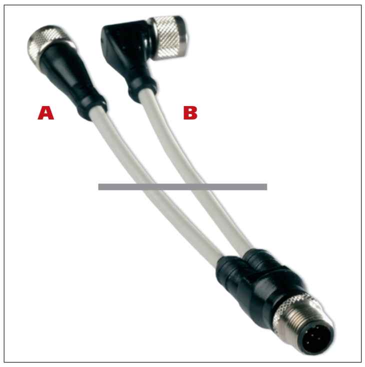
4 WIRE

COD.	"C"	"CUY"	"CN"	"CUN"	"R"	"RUY"	"RN"	"RUN"	"CS"	"CSUN"	"RS"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABE	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	ULCSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	SHIELDED PVC CABLE	PVC SHIELDED CABLE	SHIELDED PUR CABLE
Sections	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 22AWG (4 x 0.34) 80° - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x awg 22 (4 x 0.34) 80°C - 300 V-	4 x 24AWG (4 x 0.25) ST 80°C - 300 V	4 x 22AWG (4 x 0.34) ST 80°C - 300 V	4 x 24AWG (4 x 0.25) ST 80°C - 300 V
Diameter	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.0 +/- 0.2	4.7 +/- 0.2	4.9 +/- 0.2	4.9 +/- 0.2	5,4 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Yellow RAL 1021 DESINA Flam Test	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA STYLE 20549 Yellow RAL 1021 DESINA Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Black - RAL9005 Flam Test FT2	PUR UL/CSA Oil resistant ISO 6722 STYLE 21441 Black RAL 9005 Flam Test FT2	PVC CEI 2022 - II Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 20549 Grey Ral 7035 Flam Test FT1
Reference standards											
Working temperature	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App.	-15 / +80°C Static App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	120 mt / min	150 mt / min	---	150 mt / min	200 mt / min	---	---	40 mt / min
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	4 mt / secq	4 mt / secq	---	4 mt / secq	30 mt / secq	---	---	10 mt / secq

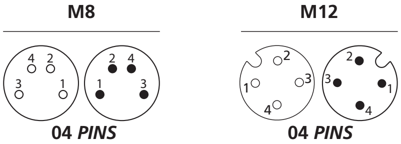
PARALLEL M8 Y EXTENSIONS







A, B:

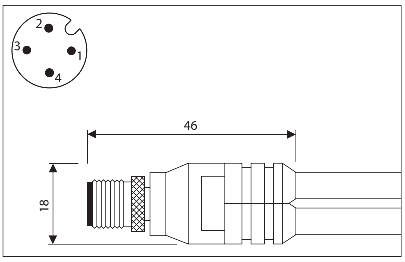


DOUBLE connection			M12				M8				FREE
			M AX	M RD	F AX	F RD	M AX	M RD	F AX	F RD	FREE
	FREE	FREE	82	74	17	18	65	61	19	20	16
	M8	F RD	83	75	24	27	66	62	29	30	
	M8	F AX	84	76	23	26	67	63	28		
	M8	M RD	85	77	72	70	68	64			
	M8	M AX	86	78	73	71	69				
	M12	F RD	87	79	22	25					
	M12	F AX	88	80	21						
	M12	M RD	89	81							
	M12	M AX	90								

SERIAL M12 Y EXTENSIONS

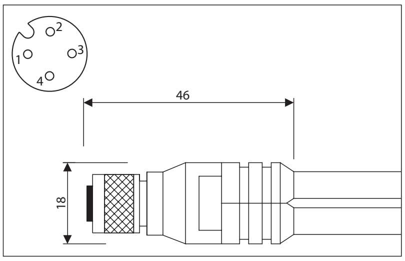
MALE

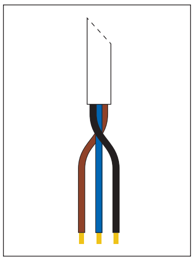
Cod. AS-CYM******



FEMALE

Cod. AS-CYF******





COLOURS TABLE

1		BN
3		BU
4		BK

CODE COMPOSITION

F = female
M = male

Cable type
(code like table)

AS-CY*050/*** **

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

Code (like tab)

MORE CONFIGURATIONS

H = shielded connector
X = inox ring nut
HX = shielded connector and inox ring nut

MORE CONFIGURATIONS

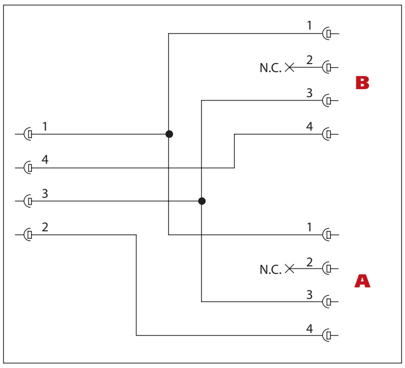
Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

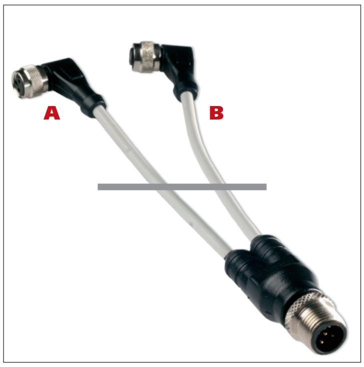
TECHNICAL SPECIFICATIONS	M8	M12
Reference standards	IEC 61076-2-104	IEC 61076-2-101
Nominal Currents	3 A	4 A
Nominal Voltage	30 V AC-DC	250 V AC-DC
Protection Class	IP67	IP67
Resistance	≤ 5mΩ	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install	-20/+80°C Fix Install

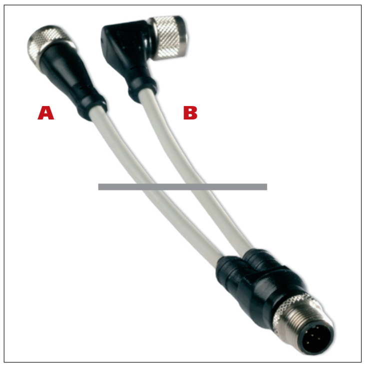
3 WIRE

COD.	"C"	"CN"	"R"	"RN"	"CS"	"RS"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	PVC SHIELDED CABLE	PUR SHIELDED CABLE
Sections	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V
Diameter	4.7 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.8 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15
Outer Jacket	PVC UL/CSA Oil Resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Black RAL 9005 Flame Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR compound Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2
Reference standards						
Working temperature	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App	-5 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	120 mt / min	---	---
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	5 mt / secq	---	5 mt / secq

SERIAL M12 Y EXTENSIONS

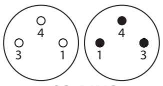






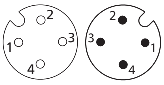
A, B:

M8



03 *PINS*

M12



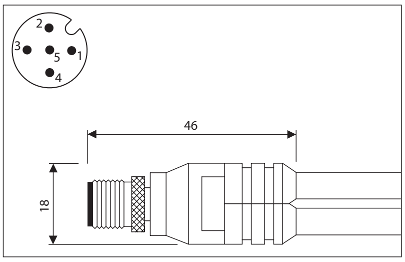
03 *PINS*

SERIAL connection											
			M12				M8				FREE
			M AX	M RD	F AX	F RD	M AX	M RD	F AX	F RD	FREE
SERIAL connection	FREE	FREE	39	47	02	03	56	60	04	05	01
	M8	F RD	38	46	09	12	55	59	14	15	
		F AX	37	45	08	11	54	58	13		
		M RD	36	44	49	51	53	57			
		M AX	35	43	48	50	52				
	M12	F RD	34	42	07	10					
		F AX	33	41	06						
		M RD	32	40							
		M AX	31								

DOUBLE M12 Y EXTENSIONS

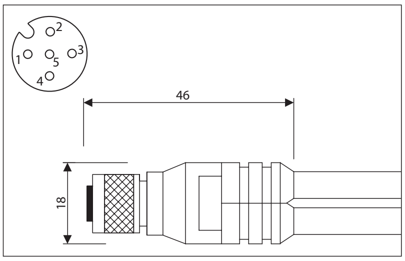
MALE

Cod. AS-CYM******

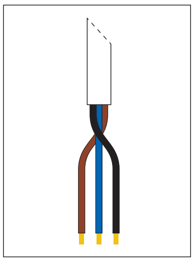


FEMALE

Cod. AS-CYF******



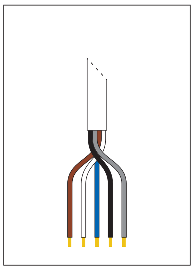
Uscita connettore M8



COLOURS TABLE

1		BN
3		BU
4		BK

Uscita connettore M12



COLOURS TABLE

1		BN
2		WH
3		BU
4		BK
5		GY

CODE COMPOSITION

AS-CY*050/*** **

F = female
M = male

Cable type (code like table)

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

Code (like tab)

MORE CONFIGURATIONS

H = shielded connector
X = inox ring nut
HX = shielded connector and inox ring nut

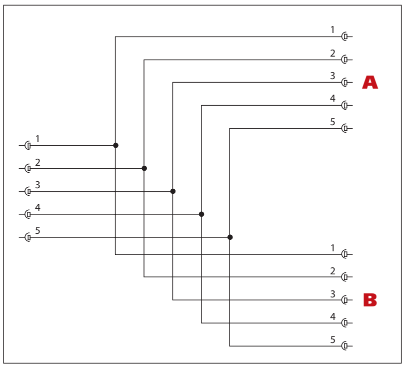
MORE CONFIGURATIONS

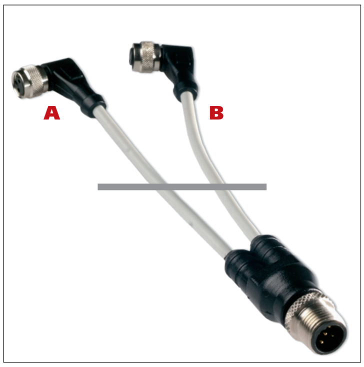
Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H

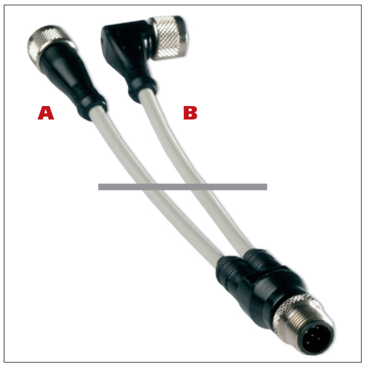
TECHNICAL SPECIFICATIONS	M8	M12
Reference standards	IEC 61076-2-104	IEC 61076-2-101
Nominal Currents	3 A	4 A
Nominal Voltage	30 V AC-DC	60 V AC-DC
Protection Class	IP67	IP67
Resistance	≤ 5mΩ	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install	-20/+80°C Fix Install

COD.	C	CUY	CN	R	RN	RUN	CS	CSUN
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	SHIELDED PVC CABLE	SHIELDED PVC CABLE
Sections	4 x 24AWG (4 x 0.25) 5 x 24AWG (5 x 0.25)	4 x 24AWG (4 x 0.25) 5 x 24AWG (5 x 0.25)	4 x 24AWG (4 x 0.25) 5 x 24AWG (5 x 0.25)	4 x 24AWG (4 x 0.25) 5 x 24AWG (5 x 0.25)	4 x 24AWG (4 x 0.25) 5 x 24AWG (5 x 0.25)	4 x awg 22 (4 x 0.35) 5 x 22AWG (5 x 0.35)	4 x 24AWG (4 x 0.25) ST 5 x 24AWG (5 x 0.25) ST	4 x 22AWG (4 x 0.34) ST 5 x 24AWG (5 x 0.25) ST
Diameter	4.6 +/- 0.15 5 +/- 0.15	4.8 +/- 0.2 4.8 +/- 0.15	4.6 +/- 0.2 4.7 +/- 0.15	4.6 +/- 0.15 5 +/- 0.15	4.7 +/- 0.15 5 +/- 0.15	4.9 +/- 0.2 4.9 +/- 0.2	4.9 +/- 0.15 5.6 +/- 0.15	5.4 +/- 0.1 5.4 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC 105° classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 20167 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 20167 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 20549 Black Flam Test FT1	PUR compound Oil resistant UL 1581 STYLE 20167 Grey Ral 7035 Flam Test FT1	PUR compound Oil resistant UL 1581 STYLE 20549 Black Flam Test	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Halogen Free - Black Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 20167 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1
Reference standards								
Working temperature	-15 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. -5/ +80°C Dynamic App.	-40 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno
Shield	---	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	90 mt / min	150 mt / min	200 mt / min	90 mt / min	---
Acceleration	4 mt / secq	4 mt / secq	4 mt / secq	4 mt / secq	4 mt / secq	30 mt / secq	4 mt / secq	---

DOUBLE M12 Y EXTENSIONS

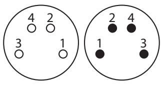






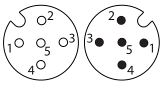
A, B:

M8



04 *PINS*

M12



05 *PINS*

DOUBLE connection			M12 M AX	M12 M RD	M12 F AX	M12 F RD	M8 M AX	M8 M RD	M8 F AX	M8 F RD	FREE FREE
DOUBLE connection	FREE	FREE	82	74	17	18	65	61	19	20	16
DOUBLE connection	M8	F RD	83	75	24	27	66	62	29	30	
DOUBLE connection	M8	F AX	84	76	23	26	67	63	28		
DOUBLE connection	M8	M RD	85	77	72	70	68	64			
DOUBLE connection	M8	M AX	86	78	73	71	69				
DOUBLE connection	M12	F RD	87	79	22	25					
DOUBLE connection	M12	F AX	88	80	21						
DOUBLE connection	M12	M RD	89	81							
DOUBLE connection	M12	M AX	90								

Fittings

T

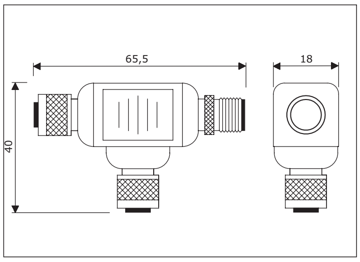
Y

Adapters

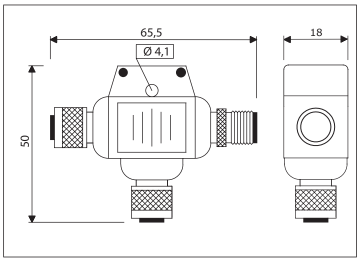
FITTINGS T

STANDARD

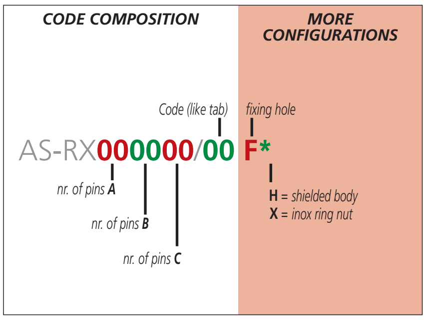
Cod. AS-RX******



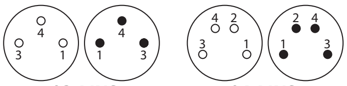
WITH FIXING HOLE



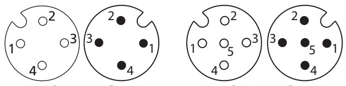
Cod. AS-RX******F

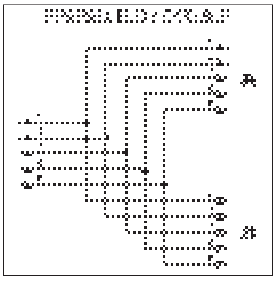


M8



M12





MORE CONFIGURATIONS

Fixing hole		F
Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Body		H

CONNEXION			COD
A	B	C	
M12 - Fem	M12 - Fem	M12 - Fem	01
M12 - Fem	M12 - Ma	M12 - Fem	02
M12 - Fem	M8 - Fem	M12 - Fem	03
M12 - Fem	M8 - Ma	M12 - Fem	04
M12 - Ma	M12 - Ma	M12 - Fem	05
M12 - Ma	M8 - Fem	M12 - Fem	06
M12 - Ma	M8 - Ma	M12 - Fem	07
M8 - Fem	M8 - Fem	M12 - Fem	08
M8 - Fem	M8 - Ma	M12 - Fem	09
M8 - Ma	M8 - Ma	M12 - Fem	10
M12 - Fem	M12 - Fem	M12 - Ma	11
M12 - Fem	M12 - Ma	M12 - Ma	12
M12 - Fem	M8 - Fem	M12 - Ma	13
M12 - Fem	M8 - Ma	M12 - Ma	14
M12 - Ma	M12 - Ma	M12 - Ma	15
M12 - Ma	M8 - Fem	M12 - Ma	16
M12 - Ma	M8 - Ma	M12 - Ma	17
M8 - Fem	M8 - Fem	M12 - Ma	18
M8 - Fem	M8 - Ma	M12 - Ma	19
M8 - Ma	M8 - Ma	M12 - Ma	20

CONNEXION			COD
A	B	C	
M12 - Fem	M12 - Fem	M8 - Fem	21
M12 - Fem	M12 - Ma	M8 - Fem	22
M12 - Fem	M8 - Fem	M8 - Fem	23
M12 - Fem	M8 - Ma	M8 - Fem	24
M12 - Ma	M12 - Ma	M8 - Fem	25
M12 - Ma	M8 - Fem	M8 - Fem	26
M12 - Ma	M8 - Ma	M8 - Fem	27
M8 - Fem	M8 - Fem	M8 - Fem	28
M8 - Fem	M8 - Ma	M8 - Fem	29
M8 - Ma	M8 - Ma	M8 - Fem	30
M12 - Fem	M12 - Fem	M8 - Ma	31
M12 - Fem	M12 - Ma	M8 - Ma	32
M12 - Fem	M8 - Fem	M8 - Ma	33
M12 - Fem	M8 - Ma	M8 - Ma	34
M12 - Ma	M12 - Ma	M8 - Ma	35
M12 - Ma	M8 - Fem	M8 - Ma	36
M12 - Ma	M8 - Ma	M8 - Ma	37
M8 - Fem	M8 - Fem	M8 - Ma	38
M8 - Fem	M8 - Ma	M8 - Ma	39
M8 - Ma	M8 - Ma	M8 - Ma	40

M8 CONNECTORS

MATERIALS

Contact plug holder: self-extinguishing ABS UL94 V0. Turned contact: gold plating AU03 (male). Contact: phosphorouse bronze with gold flash (female). Metal ring nut: nickel-plated brass. Body connector black polyamide. O-ring: NBR (female).

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	3 A
Nominal Voltage 3 PINS	60 V AC-DC
Nominal Voltage 4 PINS	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

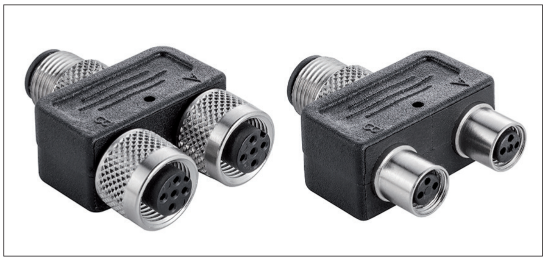
M12 CONNECTORS

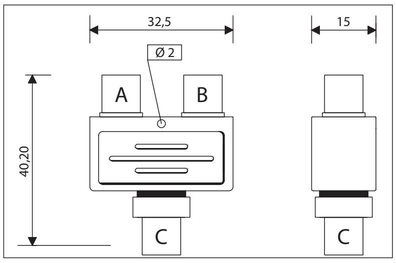
MATERIALS

Contact plug holder: self-extinguishing ABS UL94 V0. Turned contact: gold plating AU03 (male). Contact: phosphorouse bronze with gold flash (female). Metal ring nut: nickel-plated brass. Body connector: black polyamide. O-ring: NBR (female).

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents 3, 4, 5 PINS	4 A
Nominal Voltage 3, 4 PINS	250 V AC-DC
Nominal Voltage 5 PINS	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

FITTINGS Y





CODE COMPOSITION

P = double
S = serial
Code (like tab)

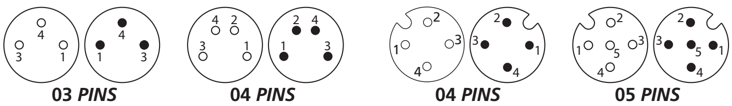
AS-CY000000/00* *

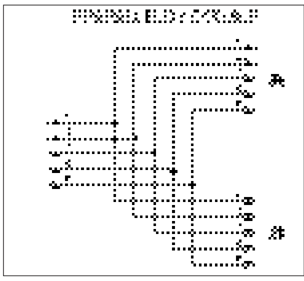
nr. of pins A
nr. of pins B
nr. of pins C

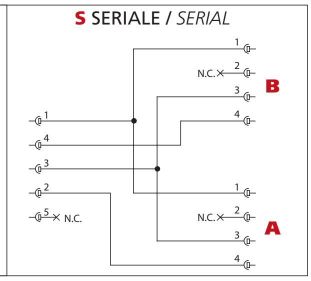
MORE CONFIGURATIONS

X = inox ring nut

M8 **M12**







MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

CONNEXION A	CONNEXION B	CONNEXION C	COD
M12 - Fem	M12 - Fem	M12 - Fem	01
M12 - Fem	M12 - Ma	M12 - Fem	02
M12 - Fem	M8 - Fem	M12 - Fem	03
M12 - Fem	M8 - Ma	M12 - Fem	04
M12 - Ma	M12 - Ma	M12 - Fem	05
M12 - Ma	M8 - Fem	M12 - Fem	06
M12 - Ma	M8 - Ma	M12 - Fem	07
M8 - Fem	M8 - Fem	M12 - Fem	08
M8 - Fem	M8 - Ma	M12 - Fem	09
M8 - Ma	M8 - Ma	M12 - Fem	10
M12 - Fem	M12 - Fem	M12 - Ma	11
M12 - Fem	M12 - Ma	M12 - Ma	12
M12 - Fem	M8 - Fem	M12 - Ma	13
M12 - Fem	M8 - Ma	M12 - Ma	14
M12 - Ma	M12 - Ma	M12 - Ma	15
M12 - Ma	M8 - Fem	M12 - Ma	16
M12 - Ma	M8 - Ma	M12 - Ma	17
M8 - Fem	M8 - Fem	M12 - Ma	18
M8 - Fem	M8 - Ma	M12 - Ma	19
M8 - Ma	M8 - Ma	M12 - Ma	20

CONNEXION A	CONNEXION B	CONNEXION C	COD
M12 - Fem	M12 - Fem	M8 - Fem	21
M12 - Fem	M12 - Ma	M8 - Fem	22
M12 - Fem	M8 - Fem	M8 - Fem	23
M12 - Fem	M8 - Ma	M8 - Fem	24
M12 - Ma	M12 - Ma	M8 - Fem	25
M12 - Ma	M8 - Fem	M8 - Fem	26
M12 - Ma	M8 - Ma	M8 - Fem	27
M8 - Fem	M8 - Fem	M8 - Fem	28
M8 - Fem	M8 - Ma	M8 - Fem	29
M8 - Ma	M8 - Ma	M8 - Fem	30
M12 - Fem	M12 - Fem	M8 - Ma	31
M12 - Fem	M12 - Ma	M8 - Ma	32
M12 - Fem	M8 - Fem	M8 - Ma	33
M12 - Fem	M8 - Ma	M8 - Ma	34
M12 - Ma	M12 - Ma	M8 - Ma	35
M12 - Ma	M8 - Fem	M8 - Ma	36
M12 - Ma	M8 - Ma	M8 - Ma	37
M8 - Fem	M8 - Fem	M8 - Ma	38
M8 - Fem	M8 - Ma	M8 - Ma	39
M8 - Ma	M8 - Ma	M8 - Ma	40

M8 CONNECTORS

MATERIALS

Contact plug holder: self-extinguishing ABS UL94 V0. Turned contact: gold plating AU03 (male). Contact: phosphorouse bronze with gold flash (female). Metal ring nut: nickel-plated brass. Body connector: black polyamide. O-ring: NBR (female).

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	3 A
Nominal Voltage 3 PINS	60 V AC-DC
Nominal Voltage 4 PINS	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

M12 CONNECTORS

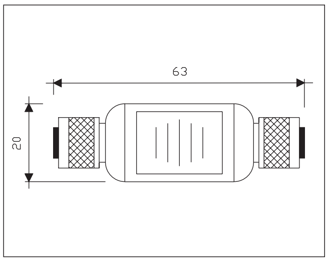
MATERIALS

Contact plug holder: self-extinguishing ABS UL94 V0. Turned contact: gold plating AU03 (male). Contact: phosphorouse bronze with gold flash (female). Metal ring nut: nickel-plated brass. Body connector: black polyamide. O-ring: NBR (female).

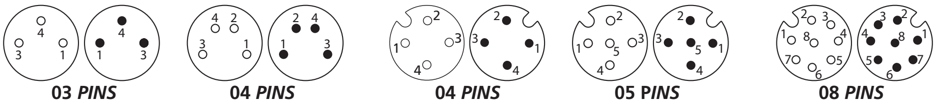
TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents 3, 4, 5 PINS	4 A
Nominal Voltage 3, 4 PINS	250 V AC-DC
Nominal Voltage 5 PINS	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

ADAPTERS

Cod. AS-PX******



M8 | M12



CODE COMPOSITION	MORE CONFIGURATIONS
Code (like tab) AS-PX0000/00 nr. of pins A nr. of pins B	** **H** = shielded body **X** = inox ring nut

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Body		**H**

CONNEXION		COD
A	**B**	
M12 - Fem	M12 - Fem	01
M12 - Fem	M12 - Ma	02
M12 - Fem	M8 - Fem	03
M12 - Fem	M8 - Ma	04
M12 - Ma	M12 - Ma	05
M12 - Ma	M8 - Fem	06
M12 - Ma	M8 - Ma	07
M8 - Fem	M8 - Fem	08
M8 - Fem	M8 - Ma	09
M8 - Ma	M8 - Ma	10

M8 CONNECTORS

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-104
Nominal Currents	3 A
Nominal Voltage 3 PINS	60 V AC-DC
Nominal Voltage 4 PINS	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

MATERIALS

Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorouse bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in NBR (female).

M12 CONNECTORS

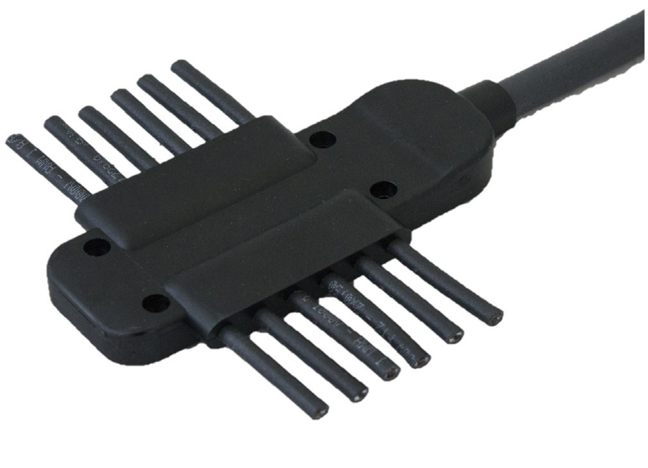
TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents 3, 4, 5 PINS	4 A
Nominal Currents 8 PINS	2 A
Nominal Voltage 3, 4 PINS	250 V AC-DC
Nominal Voltage 5 PINS	60 V AC-DC
Nominal Voltage 8 PINS	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

MATERIALS

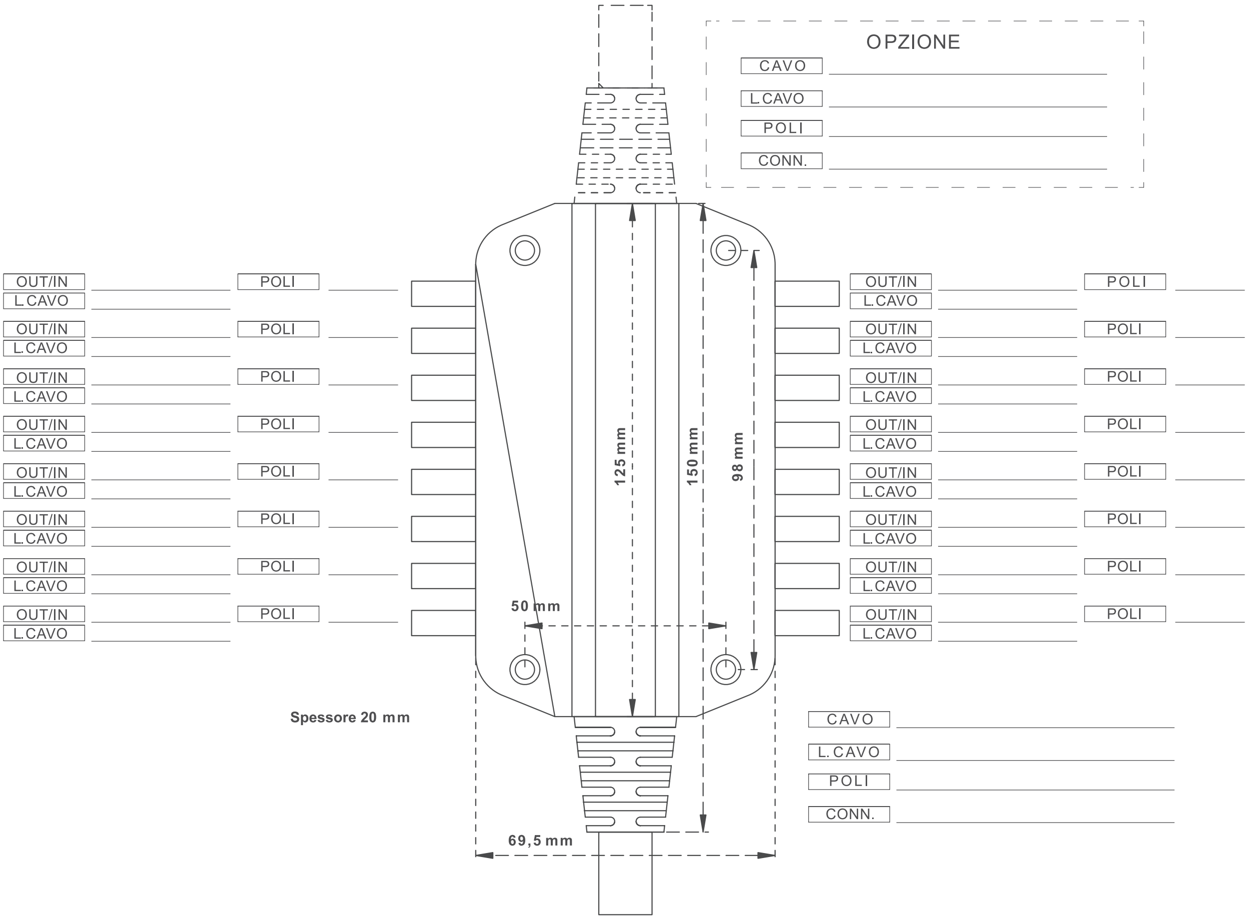
Contact plug holder: self-extinguishing ABS UL94 V0. Turned contact: gold plating AU03 (male). Contact: phosphorouse bronze with gold flash (female). Metal ring nut: nickel-plated brass. Body connector: black polyamide. O-ring: NBR (female).

IC AUTOMATION

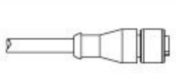
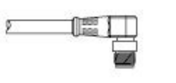
Spiders



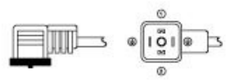
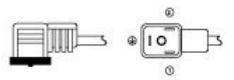
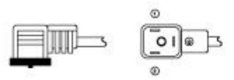
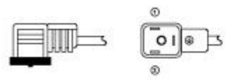
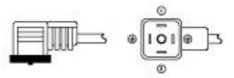
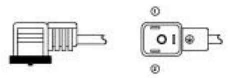
SPIDER - IN/OUT Configuration



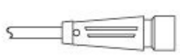
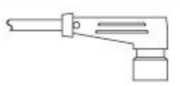
OUT/IN

			CAVO / CABLE
A	M12 Dritto Maschio *Axial Male*		vedi pag. 19-26
A1	M12 Dritto Femmina *Axial Female*		
B	M12 90° Maschio *90° Male*		vedi pag. 19-26
B1	M12 90° Femmina *90° Female*		
C	M8 Dritto Maschio *Axial Male*		vedi pag. 8-11, 18
C1	M8 Dritto Femmina *Axial Female*		
D	M8 90° Maschio *90° Male*		vedi pag. 8-11, 18
D1	M8 90° Femmina *90° Female*		

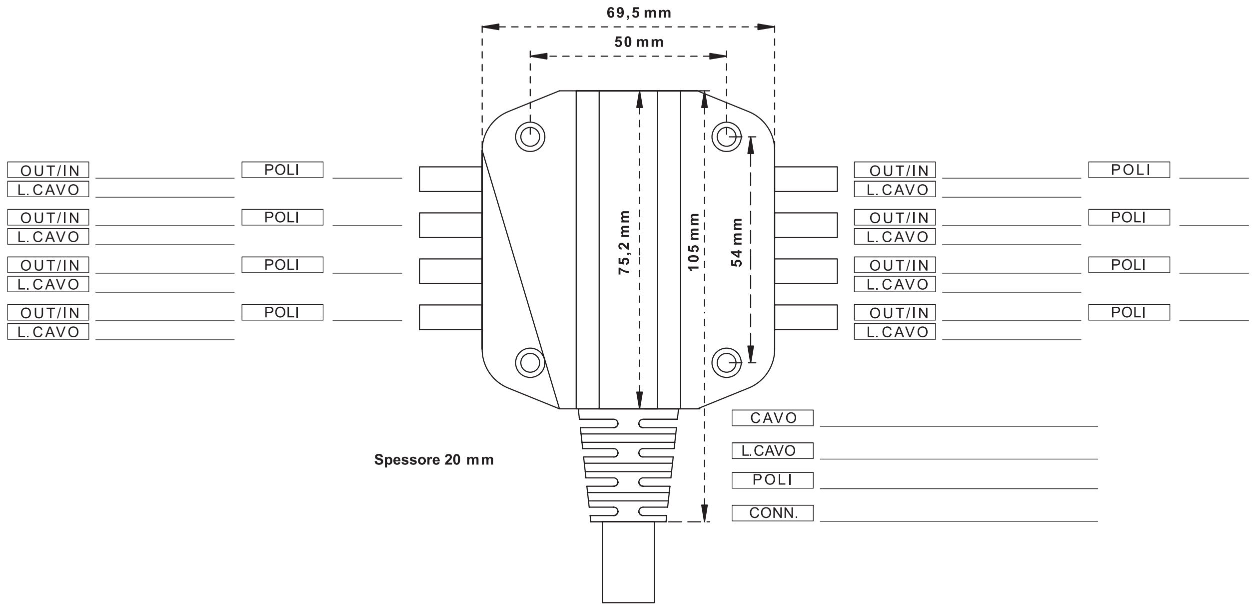
OUT/IN

			CAVO / CABLE
E	DIN 43650 - A 18 mm 2 P. + GND H6/12		vedi pag. 146
F	DIN 43650 - B IND. 11 mm 2 P. + GND H6/12		vedi pag. 147
F5	DIN 43650 - B 10 mm 2 P. + GND H6		vedi pag. 147
F6	DIN 43650 - B 10 mm 2 P. + GND H12		vedi pag. 148
G	DIN 43650 - C IND. 9.4 mm 2 P. + GND H6/12		vedi pag. 150
G5	DIN 43650 - C 8 mm 2 P. + GND H6/12		vedi pag. 149

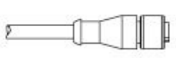
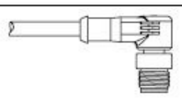
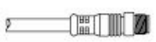
OUT/IN

			CAVO / CABLE
X	M23 Dritto Maschio *Axial Male*		vedi pag. 100
X1	M23 Dritto Femmina *Axial Female*		
X2	M23 90° Maschio *90° Male*		
X3	M23 90° Femmina *90° Female*		

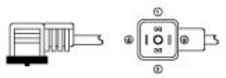
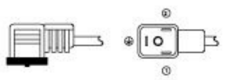
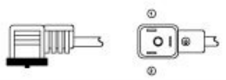
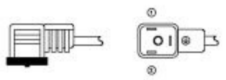
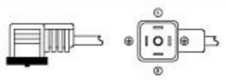
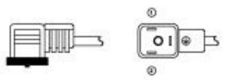
SPIDER - IN/OUT Configuration



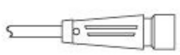
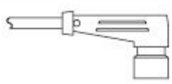
OUT/IN

			CAVO *CABLE*
A	M12 Dritto Maschio *Axial Male*		vedi pag. 19-26
A1	M12 Dritto Femmina *Axial Female*		
B	M12 90° Maschio *90° Male*		vedi pag. 19-26
B1	M12 90° Femmina *90° Female*		
C	M8 Dritto Maschio *Axial Male*		vedi pag. 8-11, 18
C1	M8 Dritto Femmina *Axial Female*		
D	M8 90° Maschio *90° Male*		vedi pag. 8-11, 18
D1	M8 90° Femmina *90° Female*		

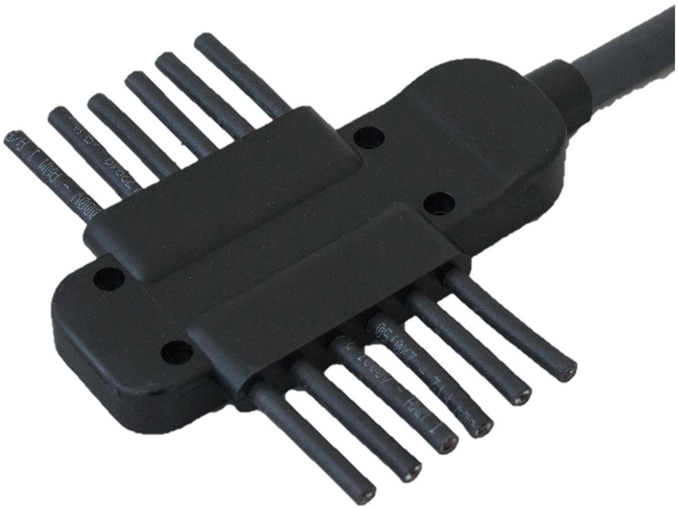
OUT/IN

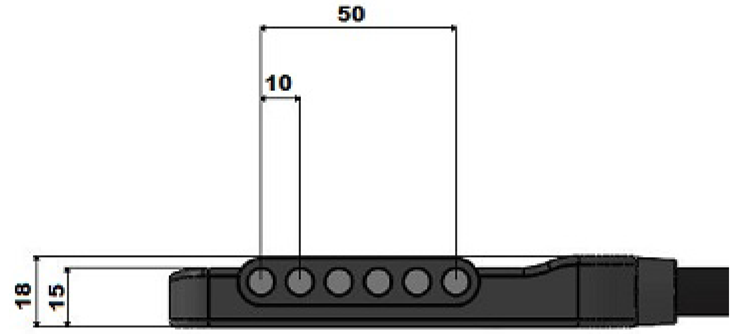
			CAVO *CABLE*
E	DIN 43650 - A 18 mm 2 P. + GND H6/12		vedi pag. 146
F	DIN 43650 - B IND. 11 mm 2 P. + GND H6/12		vedi pag. 147
F5	DIN 43650 - B 10 mm 2 P. + GND H6		vedi pag. 147
F6	DIN 43650 - B 10 mm 2 P. + GND H12		vedi pag. 148
G	DIN 43650 - C IND. 9,4 mm 2 P. + GND H6/12		vedi pag. 150
G5	DIN 43650 - C 8 mm 2 P. + GND H6/12		vedi pag. 149

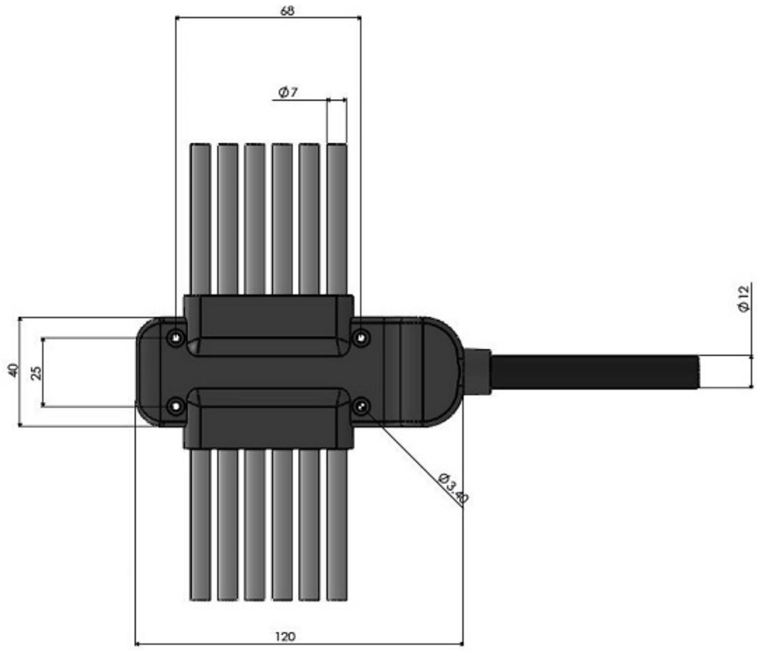
OUT/IN

			CAVO *CABLE*
X	M23 Dritto Maschio *Axial Male*		vedi pag. 100
X1	M23 Dritto Femmina *Axial Female*		
X2	M23 90° Maschio *90° Male*		
X3	M23 90° Femmina *90° Female*		

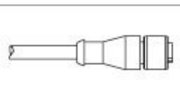
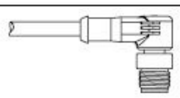
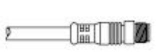
SPIDER - IN/OUT Configuration



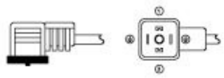
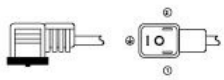
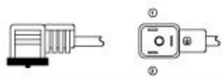
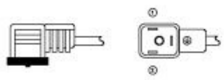
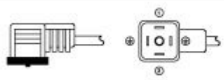
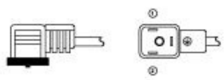




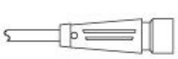
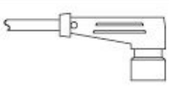
OUT/IN

			CAVO / *CABLE*
A	M12 Dritto Maschio *Axial Male*		vedi pag. 19-26
A1	M12 Dritto Femmina *Axial Female*		
B	M12 90° Maschio *90° Male*		vedi pag. 19-26
B1	M12 90° Femmina *90° Female*		
C	M8 Dritto Maschio *Axial Male*		vedi pag. 8-11, 18
C1	M8 Dritto Femmina *Axial Female*		
D	M8 90° Maschio *90° Male*		vedi pag. 8-11, 18
D1	M8 90° Femmina *90° Female*		

OUT/IN

			CAVO / *CABLE*
E	DIN 43650 - A 18 mm 2 P. + GND H6/12		vedi pag. 146
F	DIN 43650 - B IND. 11 mm 2 P. + GND H6/12		vedi pag. 147
F5	DIN 43650 - B 10 mm 2 P. + GND H6		vedi pag. 147
F6	DIN 43650 - B 10 mm 2 P. + GND H12		vedi pag. 148
G	DIN 43650 - C IND. 9.4 mm 2 P. + GND H6/12		vedi pag. 150
G5	DIN 43650 - C 8 mm 2 P. + GND H6/12		vedi pag. 149

OUT/IN

			CAVO / *CABLE*
X	M23 Dritto Maschio *Axial Male*		vedi pag. 100
X1	M23 Dritto Femmina *Axial Female*		
X2	M23 90° Maschio *90° Male*		
X3	M23 90° Femmina *90° Female*		

IC AUTOMATION

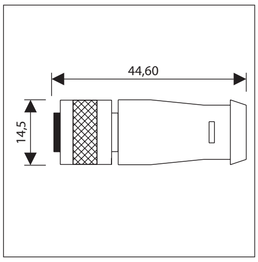
ETHERNET ETHERNET

Connectors and extenders for Ethernet networks

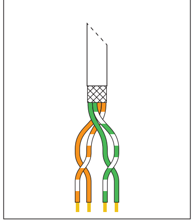
NETWORK CONNECTORS ETHERNET 4 PINS

FEMALE AX

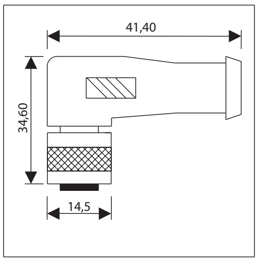
Cod. AS-**M12FAX**ETH/*****



CABLE



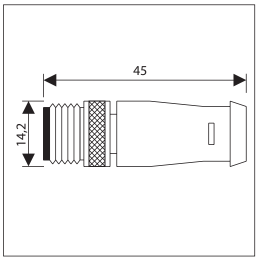
FEMALE RD

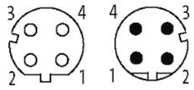


Cod. AS-**M12FRD**ETH/*****

MALE AX

Cod. AS-**M12MAX**ETH/*****



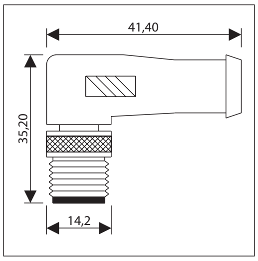


COLOURS TABLE

1	TD+		WHOG
2	RD+		WHGN
3	TD-		OG
4	RD-		GN

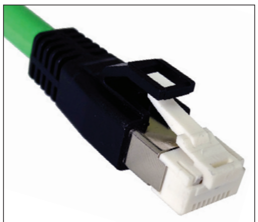
SHIELDED CONNECTOR

MALE RD

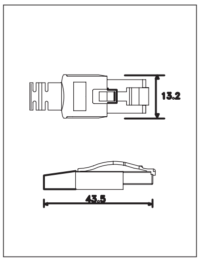


Cod. AS-**M12MRD**ETH/*****

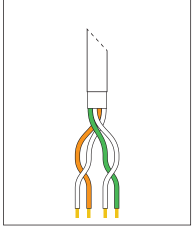
RJ45

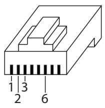


Cod. AS-**RJ45**ETH/*****



CABLE





COLOURS TABLE

1	TD+		WHOG
2	RD+		WHGN
3	TD-		OG
4	RD-		GN

SHIELDED CONNECTOR

CODE COMPOSITION

Cable type (code like table)

Code (like drawing)

AS-*****ETH/**050*** *

Cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

X = inox ring nut

MORE CONFIGURATIONS

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

ETHERNET 4 POLES (2 PAIR)

COD.	(F)	(M)
CABLE SPECIFICATIONS	PUR FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 24AWG SN/ST	2 x 2 x 24AWG SN/ST
Diameter	6.0 +/- 0.2	5.8 +/- 0.2
Conductor	PUR Green Ral 6016 Oil resistant STYLE 20549 Flam retardant FT1 Halogen Free	PUR Green Ral 6016 Oil resistant STYLE 20549 Flam retardant FT1 Halogen Free
Outer Jacket	UL Desina CAT 5E	UL Desina CAT 5E
Reference standards	Nominal capacity 50 pF/m Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s	Nominal capacity 50 pF/m Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s
Working temperature	-40 / +80°C Static App.	-50 / +80°C Static App. -40 / +80°C Dynamic App.
Bending radius	8 x Ø esterno	10 x Ø esterno
Shield	I - in poliestere / alluminium II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	I - in poliestere / alluminium II - A treccia - Copertura ≥ 90% Braided coverage ≥ 90%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

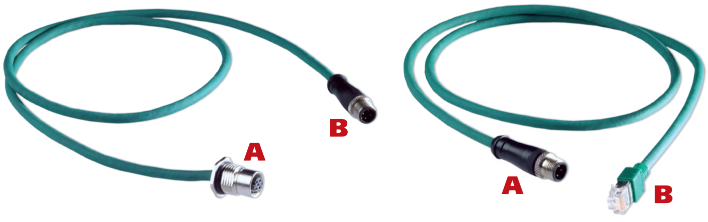
MATERIALS M12

Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorouse bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in Viton (female).

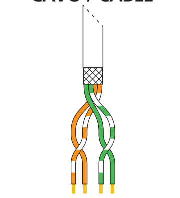
TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

IC AUTOMATION

NETWORK EXTENSIONS ETHERNET 4 PINS



CAVO / CABLE



LINE EXTENDERS						
A					B	
M 12	RJ45				M12	RJ45
1	1	TD+		WHOG	1	1
2	3	RD+		WHGN	2	3
3	2	TD-		OG	3	2
4	6	RD-		GN	4	6
SHIELDED CONNECTOR						

B \ A	M12 M AX	M12 M RD	M12 F AX	M12 F RD	M12 M 273	M12 F 593	RJ 45 RJ 45
RJ 45 – RJ 45	53	54	55	56	58	60	69
M12 – F 593	08	15	21	26	71	73	
M12 – M 273	06	13	19	24	78		
M12 – F RD	04	11	17	22			
M12 – F AX	03	10	16				
M12 – M RD	02	09					
M12 – M AX	01						

CODE COMPOSITION | **MORE CONFIGURATIONS**

Cable type (code like table)

Code (like tab)

AS-PLETH**050**/*** *

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

X = inox ring nut

ETHERNET 4 POLES (2 PAIR)

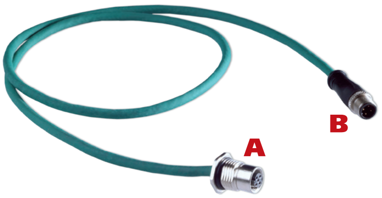
COD.	(F)	(M)
CABLE SPECIFICATIONS	PUR FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 24AWG SN/ST	2 x 2 x 24AWG SN/ST
Diameter	6.0 +/- 0.2	5.8 +/- 0.2
Outer Jacket	PUR Green Ral 6016 Oil resistant STYLE 20549 Flam retardant FT1 Halogen Free	PUR Green Ral 6016 Oil resistant STYLE 20549 Flam retardant FT1 Halogen Free
Reference standards	UL Desina CAT 5E	UL Desina CAT 5E
Electrical characteristics	Nominal capacity 50 pF/m Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s	Nominal capacity 50 pF/m Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s
Work range	-40 / +80°C Static App.	-50 / +80°C Static App. -40 / +80°C Dynamic App.
Bending radius	8 x Ø esterno	10 x Ø esterno
Shield	I - in poliestere / alluminium II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	I - in poliestere / alluminium II - A treccia - Copertura ≥ 90% Braided coverage ≥ 90%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

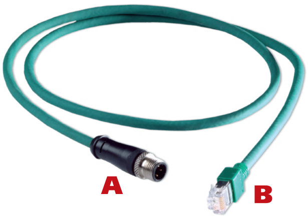
MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

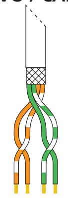
TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

NETWORK EXTENSIONS ETHERNET 4 PINS





CAVO / CABLE



CROSSED EXTENDERS						
A					B	
M 12	RJ45				M12	RJ45
1	1	TD+		WHOG	2	3
2	3	RD+		WHGN	1	1
3	2	TD-		OG	4	6
4	6	RD-		GN	3	2
SHIELDED CONNECTOR						

			A						
			M12						RJ 45
			M AX	M RD	F AX	F RD	M 273	F 593	RJ 45
B	RJ 45	RJ 45	61	62	63	64	66	68	80
B	M12	F 593	34	41	47	52	82	84	
B	M12	M 273	32	39	45	50	89		
B	M12	F RD	30	37	43	48			
B	M12	F AX	29	36	42				
B	M12	M RD	28	35					
B	M12	M AX	27						

CODE COMPOSITION

MORE CONFIGURATIONS

Cable type (code like table)

Code (like tab)

AS-PLETH**050**/*** *

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

X = *inox ring nut*

ETHERNET 4 POLES (2 PAIR)

COD.	(F)	(M)
CABLE SPECIFICATIONS	*PUR FIXED INSTALL. CABLE*	*PUR DYNAMIC INSTALL. CABLE*
Sections	2 x 2 x 24AWG SN/ST	2 x 2 x 24AWG SN/ST
Diameter	6.0 +/- 0.2	5.8 +/- 0.2
Outer Jacket	PUR Green Ral 6016 Oil resistant STYLE 20549 Flam retardant FT1 Halogen Free	PUR Green Ral 6016 Oil resistant STYLE 20549 Flam retardant FT1 Halogen Free
Reference standards	UL Desina CAT 5E	UL Desina CAT 5E
Electrical characteristics	Nominal capacity 50 pF/m Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s	Nominal capacity 50 pF/m Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s
Work range	-40 / +80°C Static App.	-50 / +80°C Static App. -40 / +80°C Dynamic App.
Bending radius	8 x Ø esterno	10 x Ø esterno
Shield	I - in poliestere / alluminium II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	I - in poliestere / alluminium II - A treccia - Copertura ≥ 90% Braided coverage ≥ 90%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

IC AUTOMATION

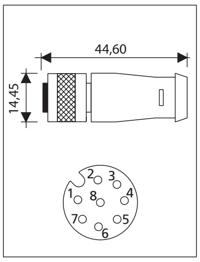
NETWORK CONNECTORS ETHERNET 8 PINS

ETHERNET

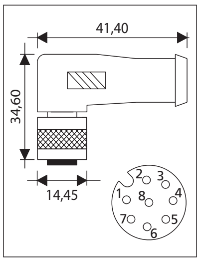
ETHERNET

FEMALE AX

Cod. AS-**M12FAX**8ETH/****

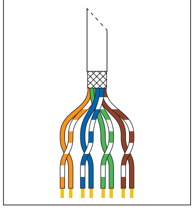


FEMALE RD



Cod. AS-**M12FRD**8ETH/****

CABLE



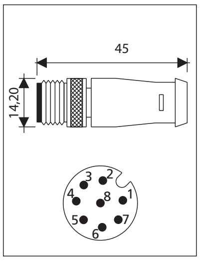
COLOURS TABLE

6	WHOG
4	OG
1	WHBU
7	BU
5	WHGN
8	GN
2	WHBN
3	BN

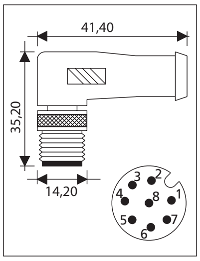
SHIELDED CONNECTOR

MALE AX

Cod. AS-**M12MAX**8ETH/****

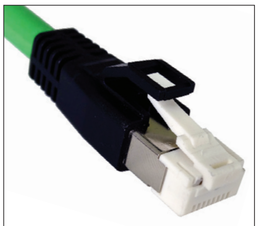


MALE RD

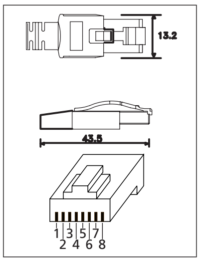


Cod. AS-**M12MRD**8ETH/****

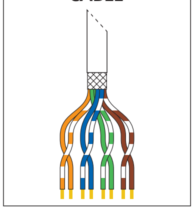
RJ45



Cod. AS-**RJ45**8ETH/*****



CABLE



COLOURS TABLE

1	WHOG
2	OG
5	WHBU
4	BU
3	WHGN
6	GN
7	WHBN
8	BN

SHIELDED CONNECTOR

CODE COMPOSITION	**MORE CONFIGURATIONS**
Cable type (code like table) *Code (like drawing)* AS-*****8ETH/**050*** *cable lenght* **001** = 10 cm **010** = 1 m **100** = 10 m	* **X** = *inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

MATERIALS M12

Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03, metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H, o-ring in Viton (only for female connector).

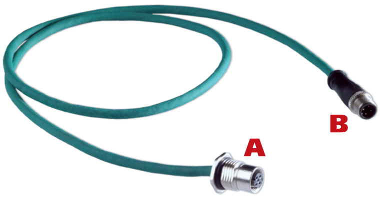
TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	2 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

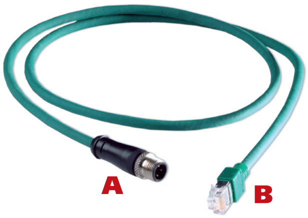
ETHERNET 8 POLES (4 PAIRS)

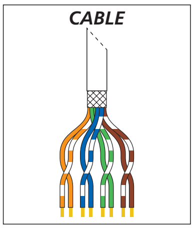
COD.	**(F)**	**(M)**
CABLE SPECIFICATIONS	***PUR FIXED INSTALL. CABLE***	***PUR DYNAMIC INSTALL. CABLE***
Sections	4 x 2 x 24AWG SN/ST	4 x 2 x 26AWG SN/ST
Diameter	6.3 +/- 0.2	6.6 +/- 0.2
Outer Jacket	PVC Green Ral 6016 Oil resistant STYLE 2571 Flam retardant FT1	PUR Green Ral 5021 Oil resistant STYLE 20233 Flam retardant FT1 Halogen Free
Reference standards	UL CAT 5E	UL CAT 5E
Electrical characteristics	Nominal Capacity 50 pf/m Nominal Impedence 100 ohm +/- 15	Nominal Capacity 48 pf/m Nominal Impedence 100 ohm +/- 15
Work range	-30 / +80°C Static App.	-40 / +80°C Static App. -20 / +60°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno
Shield	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

IC AUTOMATION

NETWORK EXTENSIONS ETHERNET 8 PINS







LINE EXTENDERS

A M 12	A RJ45		B M12	B RJ45
6	1	WHOG	6	1
4	2	OG	4	2
1	5	WHBU	1	5
7	4	BU	7	4
5	3	WHGN	5	3
8	6	GN	8	6
2	7	WHBN	2	7
3	8	BN	3	8

SHIELDED CONNECTOR

B \ A	M12 M AX	M12 M RD	M12 F AX	M12 F RD	M12 M 273	M12 F 593	RJ 45 RJ 45
RJ 45 RJ 45	53	54	55	56	58	60	69
M12 F 593	08	15	21	26	71	73	
M12 M 273	06	13	19	24	78		
M12 F RD	04	11	17	22			
M12 F AX	03	10	16				
M12 M RD	02	09					
M12 M AX	01						

CODE COMPOSITION | **MORE CONFIGURATIONS**

Cable type (code like table)

Code (like tab)

AS-PL8ETH**050**/*** *

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

X = inox ring nut

MORE CONFIGURATIONS

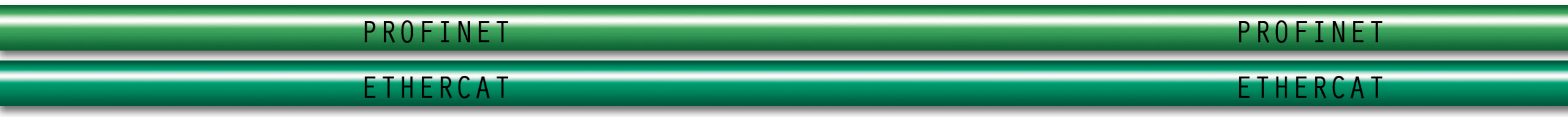
Inox AISI 304 Ring Nut	min. 50 pcs	X

TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	2 A
Nominal Voltage	30 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

ETHERNET 8 POLES (4 PAIRS)

COD.	(F)	(M)
CABLE SPECIFICATIONS	PUR FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	4 x 2 x 24AWG SN/ST	4 x 2 x 26AWG SN/ST
Diameter	6.3 +/- 0.2	6.6 +/- 0.2
Outer Jacket	PVC Green Ral 6016 Oil resistant STYLE 2571 Flam retardant FT1	PUR Green Ral 5021 Oil resistant STYLE 20233 Flam retardant FT1 Halogen Free
Reference standards	UL CAT 5E	UL CAT 5E
Electrical characteristics	Nominal Capacity 50 pf/m Nominal Impedence 100 ohm +/- 15	Nominal Capacity 48 pf/m Nominal Impedence 100 ohm +/- 15
Work range	-30 / +80°C Static App.	-40 / +80°C Static App. -20 / +60°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno
Shield	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

IC AUTOMATION

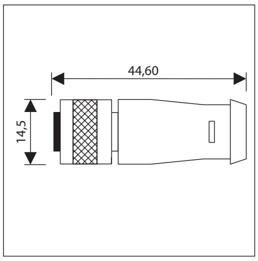


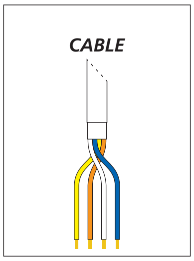
Connectors and extenders for Profinet / Ethercat networks

NETWORK CONNECTORS PROFINET / ETHERCAT

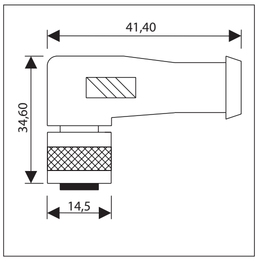
FEMALE AX

Cod. AS-**M12FAX**PE/****

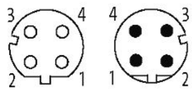




FEMALE RD

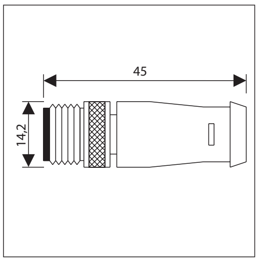


Cod. AS-**M12FRD**PE/****



MALE AX

Cod. AS-**M12MAX**PE/****

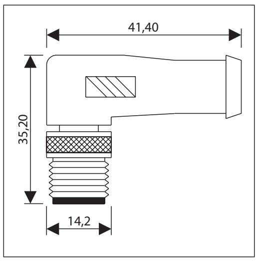


COLOURS TABLE

1	TD+	(yellow)	YE
3	TD-	(orange)	OG
2	RD+	(white)	WH
4	RD-	(blue)	BU

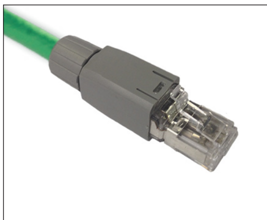
SHIELDED CONNECTOR

MALE RD

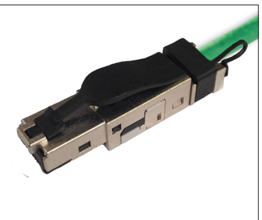


Cod. AS-**M12MRD**PE/****

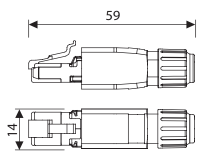
RJ45 PLASTIC AND METAL



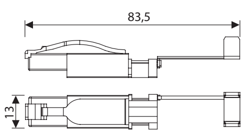
Cod. AS-**RJ45P**PE/*****



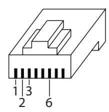
Cod. AS-**RJ45M**PE/*****



Cod. AS-**RJ45P**PE/*****



Cod. AS-**RJ45M**PE/*****



COLOURS TABLE

1	TD+	(yellow)	YE
2	TD-	(orange)	OG
3	RD+	(white)	WH
6	RD-	(blue)	BU

SHIELDED CONNECTOR

CODE COMPOSITION | **MORE CONFIGURATIONS**

Cable type (code like table)

Code (like drawing)

AS-*****PE/**050*** *

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

X = inox ring nut

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	**X**

MATERIALS M12

Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorouse bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in Viton (female).

TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

PROFINET / ETHERCAT

COD.	(F)	(M)
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 22AWG Q-R SN/ST	2 x 2 x 22AWG Q-R SN/ST
Diameter	6.5 +/- 0.2	6.5 +/- 0.2
Outer Jacket	PVC Green Ral 6018 Oil resistant STYLE 2502 Flam retardant	PUR Green Ral 6018 Oil resistant STYLE 20554 Flam retardant Halogen Free
Reference standards	UL CAT 5E	UL CAT 5E
Electrical characteristics	Nomical capacity 46pF/mt Nominal Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s	Nomical capacity 46pF/mt Nominal Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s
Work range	-30 / +80°C Static App.	-30 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	6 x Ø esterno Static App.	6 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

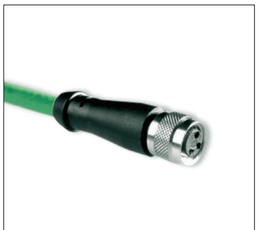
IC AUTOMATION

NETWORK CONNECTORS PROFINET / ETHERCAT

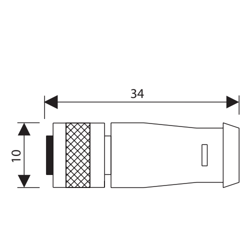
PROFINET

PROFINET

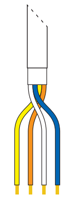
FEMALE AX



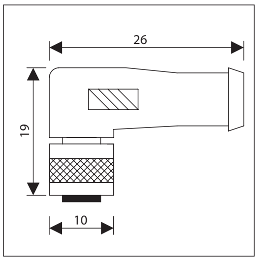
Cod. AS-**M8FAX**PES/****



CABLE



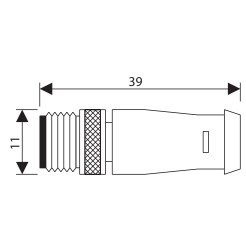
FEMALE RD

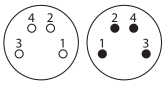


Cod. AS-**M8FRD**PES/****

MALE AX

Cod. AS-**M8MAX**PES/****



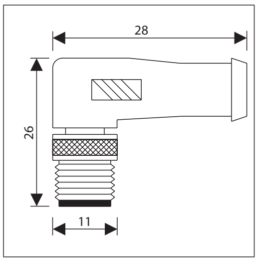


COLOURS TABLE

1	TD+	(yellow)	YE
4	TD-	(orange)	OG
2	RD+	(white)	WH
3	RD-	(blue)	BU

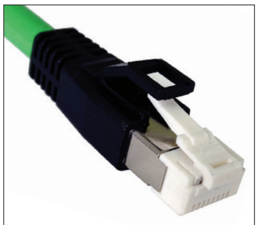
SHIELDED CONNECTOR

MALE RD

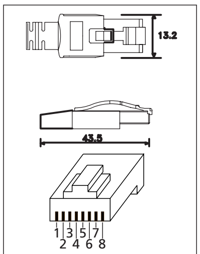


Cod. AS-**M8MRD**PES/****

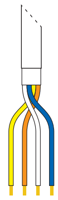
RJ45

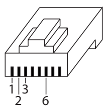


Cod. AS-**RJ45**PES/*****



CABLE





COLOURS TABLE

1	TD+	(yellow)	YE
2	TD-	(orange)	OG
3	RD+	(white)	WH
6	RD-	(blue)	BU

SHIELDED CONNECTOR

CODE COMPOSITION | **MORE CONFIGURATIONS**

Cable type (code like table)

Code (like drawing)

AS-*****PES/**050*** *

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

X = inox ring nut

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

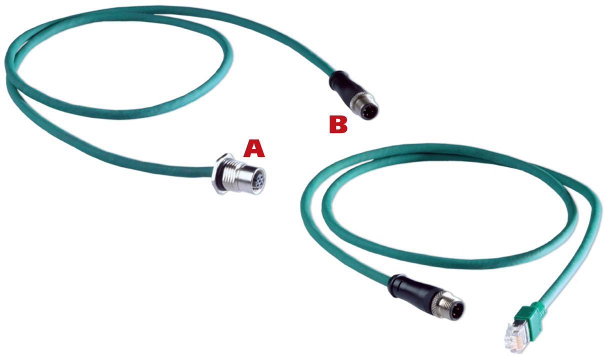
MATERIALS M12
Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorouse bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in Viton (female).

TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

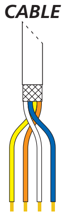
PROFINET / ETHERCAT

COD.	(FS)	(MS)
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 24AWG Q-R SN/ST	2 x 2 x 24AWG Q-R SN/ST
Diameter	5.4 +/- 0.2	5.4 +/- 0.2
Outer Jacket	PVC Green Ral 6018 Oil resistant STYLE 2502 Flam retardant	PUR Green Ral 6018 Oil resistant STYLE 20236 Flam retardant Halogen Free
Reference standards	UL CAT 5E	UL CAT 5E
Electrical characteristics	Nomical capacity 56pF/mt Nominal Impedence 100 ohm +/- 15	Nomical capacity 56pF/mt Nominal Impedence 100 ohm +/- 15
Work range	-30 / +80°C Static App.	-40 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	7.5 x Ø esterno	7.5 x Ø esterno
Shield	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	300 m / min
Acceleration	---	50 m / secq

NETWORK EXTENSIONS PROFINET / ETHERCAT



CABLE



LINE EXTENDERS						
A					B	
M 12	RJ45				M12	RJ45
1	1	TD+	(yellow)	YE	1	1
3	2	TD-	(orange)	OG	3	2
2	3	RD+	(white)	WH	2	3
4	6	RD-	(blue)	BU	4	6

SHIELDED CONNECTOR

B		A – M12: M AX	M12: M RD	M12: F AX	M12: F RD	M12: M 273	M12: F 593	RJ 45: RJ 45
RJ 45	RJ 45	53P 53M	54P 54M	55P 55M	56P 56M	58P 58M	60P 60M	69P 69M
M12	F 593	08	15	21	26	71	73	
M12	M 273	06	13	19	24	78		
M12	F RD	04	11	17	22			
M12	F AX	03	10	16				
M12	M RD	02	09					
M12	M AX	01						

CODE COMPOSITION | **MORE CONFIGURATIONS**

AS-PLPE050/*** *

- Cable type (code like table)
- Code (like tab)
- cable lenght: 001 = 10 cm; 010 = 1 m; 100 = 10 m
- X = inox ring nut

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

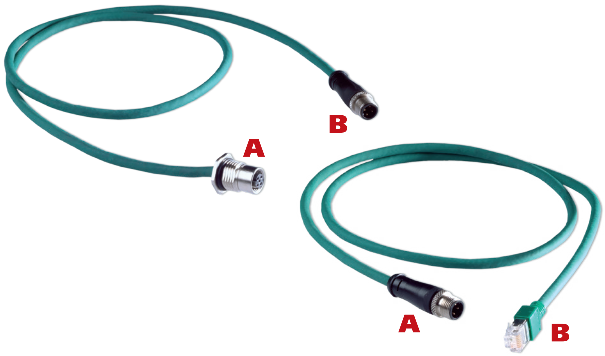
TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

PROFINET / ETHERCAT

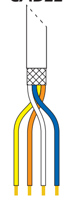
COD.	(F)	(M)
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 22AWG Q-R SN/ST	2 x 2 x 22AWG Q-R SN/ST
Diameter	6.5 +/- 0.2	6.5 +/- 0.2
Outer Jacket	PVC Green Ral 6018 Oil resistant STYLE 2502 Flam retardant	PUR Green Ral 6018 Oil resistant STYLE 20554 Flam retardant Halogen Free
Reference standards	UL CAT 5E	UL CAT 5E
Electrical characteristics	Nomical capacity 46pF/mt Nominal Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s	Nomical capacity 46pF/mt Nominal Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s
Work range	-30 / +80°C Static App.	-30 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	6 x Ø esterno Static App.	6 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

IC AUTOMATION

NETWORK EXTENSIONS PROFINET / ETHERCAT



CABLE



LINE EXTENDERS								
A						**B**		
M 8	M 12	RJ45				M 8	M12	RJ45
1	1	1	TD+		YE	1	1	1
3	3	2	TD-		OG	3	3	2
2	2	3	RD+		WH	2	2	3
4	4	6	RD-		BU	4	4	6

SHIELDED CONNECTOR

B \ A		M8 M AX	M8 M RD	M8 F AX	M8 F RD	M12 M AX	M12 M RD	M12 F AX	M12 F RD	M12 M 273	M12 F 593	RJ 45 RJ 45
RJ 45	RJ 45	95P 95M	98P 98M	96P 96M	97P 97M	53P 53M	54P 54M	55P 55M	56P 56M	58P 58M	60P 60M	69P 69M
M12	F 593	91	94	100	99	08	15	21	26	71	73	
M12	M 273	83	86	89	92	06	13	19	24	78		
M12	F RD	47	50	81	84	04	11	17	22			
M12	F AX	43	46	49	80	03	10	16				
M12	M RD	39	42	45	48	02	09					
M12	M AX	34	38	41	44	01						
M8	F RD	30	33	37	40							
M8	F AX	29	32	36								
M8	M RD	28	31									
M8	M AX	27										

CODE COMPOSITION

Cable type (code like table)

Code (like tab)

AS-PLPES050/*** *

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

X = inox ring nut

MORE CONFIGURATIONS

MORE CONFIGURATIONS

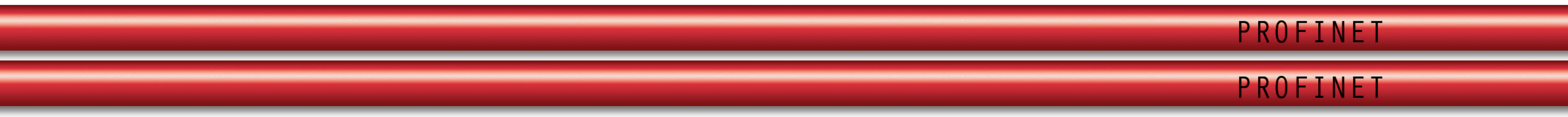
Inox AISI 304 Ring Nut	min. 50 pcs	X

TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

PROFINET / ETHERCAT

COD.	(FS)	(MS)
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 24AWG Q-R SN/ST	2 x 2 x 24AWG Q-R SN/ST
Diameter	5.4 +/- 0.2	5.4 +/- 0.2
Outer Jacket	PVC Green Ral 6018 Oil resistant STYLE 2502 Flam retardant	PUR Green Ral 6018 Oil resistant STYLE 20236 Flam retardant Halogen Free
Reference standards	UL CAT 5E	UL CAT 5E
Electrical characteristics	Nomical capacity 56pF/mt Nominal Impedence 100 ohm +/- 15	Nomical capacity 56pF/mt Nominal Impedence 100 ohm +/- 15
Work range	-30 / +80°C Static App.	-40 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	7.5 x Ø esterno	7.5 x Ø esterno
Shield	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	300 m / min
Acceleration	---	50 m / secq

IC AUTOMATION

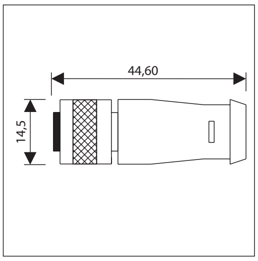


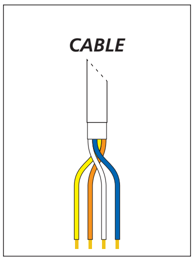
Connectors and extenders for SERCOS III

NETWORK CONNECTORS SERCOS III

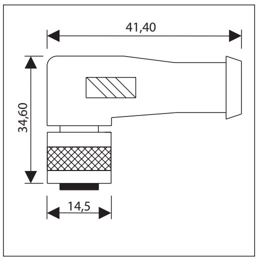
FEMALE AX

Cod. AS-**M12FAX**S3/****





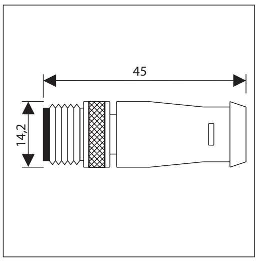
FEMALE RD

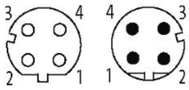


Cod. AS-**M12FRD**S3/****

MALE AX

Cod. AS-**M12MAX**S3/****



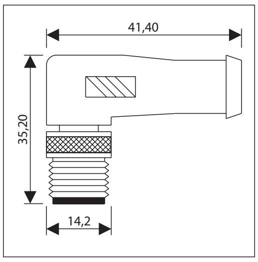


COLOURS TABLE

1	TD+		YE
3	TD-		OG
2	RD+		WH
4	RD-		BU

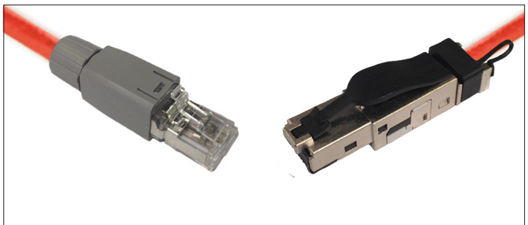
SHIELDED CONNECTOR

MASCHIO RD / MALE RD

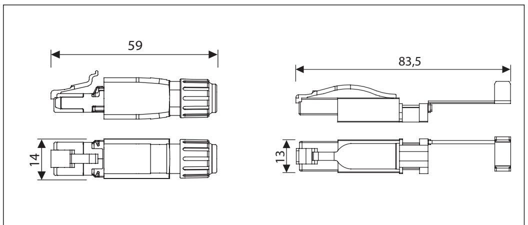


Cod. AS-**M12MRD**S3/****

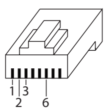
RJ45 PLASTIC AND METAL



Cod. AS-**RJ45P**S3/*****   **Cod.** AS-**RJ45M**S3/*****



Cod. AS-**RJ45P**S3/*****   **Cod.** AS-**RJ45M**S3/*****



COLOURS TABLE

1	TD+		YE
2	TD-		OG
3	RD+		WH
6	RD-		BU

SHIELDED CONNECTOR

CODE COMPOSITION | **MORE CONFIGURATIONS**

Cable type (code like table)

Code (like drawing)

AS-*****S3/**050*** *****

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

X = inox ring nut

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

COD.	F	M
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 22AWG Q-R SN/ST	2 x 2 x 24AWG Q-R SN/ST
Diameter	6.5 +/- 0.2	6.5 +/- 0.2
Outer Jacket	PVC Red Ral 3020 Oil resistant STYLE 2502 Flam retardant	PUR Red Ral 3020 Oil resistant STYLE 20554 Flam retardant Halogen Free
Reference standards	CAT 5E	CAT 5E
Electrical characteristics	Nomical capacity 46pF/mt Nominal Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s	Nomical capacity 46pF/mt Nominal Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s
Work range	-30 / +80°C Static App.	-30 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	6 x Ø esterno Static App.	6 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

MATERIALS M12

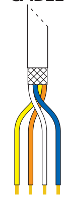
Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorouse bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in Viton (female).

TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

IC AUTOMATION

NETWORK EXTENSIONS SERCOS III

CABLE



LINE EXTENDERS						
A					B	
M 12	RJ45				M12	RJ45
1	1	TD+		YE	1	1
3	2	TD-		OG	3	2
2	3	RD+		WH	2	3
4	6	RD-		BU	4	6
SHIELDED CONNECTOR						

		A						
		M12						RJ 45
B		M AX	M RD	F AX	F RD	M 273	F 593	RJ 45
RJ 45	RJ 45	53P 53M	54P 54M	55P 55M	56P 56M	58P 58M	60P 60M	69P 69M
M12	F 593	08	15	21	26	71	73	
M12	M 273	06	13	19	24	78		
M12	F RD	04	11	17	22			
M12	F AX	03	10	16				
M12	M RD	02	09					
M12	M AX	01						

CODE COMPOSITION

Cable type (code like table)

Code (like tab)

AS-PLS3**050**/*** *

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

X = inox ring nut

COD.	F	M
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 22AWG Q-R SN/ST	2 x 2 x 24AWG Q-R SN/ST
Diameter	6.5 +/- 0.2	6.5 +/- 0.2
Outer Jacket	PVC Red Ral 3020 Oil resistant STYLE 2502 Flam retardant	PUR Red Ral 3020 Oil resistant STYLE 20554 Flam retardant Halogen Free
Reference standards	UL CAT 5E	UL CAT 5E
Electrical characteristics	Nomical capacity 46pF/mt Nominal Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s	Nomical capacity 46pF/mt Nominal Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s
Work range	-30 / +80°C Static App.	-30 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	6 x Ø esterno Static App.	6 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

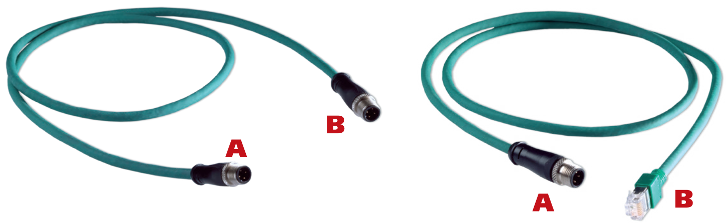
TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	250 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C Fix Install

IC AUTOMATION

M12 X CODED

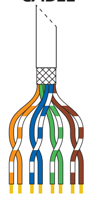
IC AUTOMATION

M12 X CODED



MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	**X**
Shielded Connector		**H**

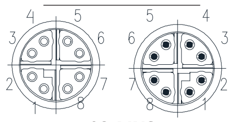


LINE EXTENDERS					
A				**B**	
M 12	**RJ45**			**M12**	**RJ45**
6	1		WHOG	6	1
4	2		OG	4	2
1	5		WHBU	1	5
7	4		BU	7	4
5	3		WHGN	5	3
8	6		GN	8	6
2	7		WHBN	2	7
3	8		BN	3	8

SHIELDED CONNECTOR

A, B:

M12



08 *PINS*

CODE COMPOSITION / MORE CONFIGURATIONS

AS-PLX**050**0808/*** **/*

- Cable type (code like table)
- **G** = grafoplast
- cable lenght: **001** = 10 cm, **010** = 1 m, **100** = 10 m
- Code (like tab)
- **H** = *shielded connector*
- **X** = *inox ring nut*
- **HX** = *shielded connector and inox ring nut*

	A M12 *8 PINS*				
B M12 8 POLI / 8 PINS	**RJ45**	**F AX**	**F AN**	**M AX**	**M AN**
M AN	03	05	13	25	30
M AX	06	04	12	24	
F AN	07	02	10		
F AX	08	01			

CODE COMPOSITION / MORE CONFIGURATIONS

AS-M12***08**050****X**/*

- **AX** = *Straight*, **PX** = panel
- Cable type (code like table)
- **X** = Connector Cod. X
- **G** = grafoplast
- **F** = *female*, **M** = male
- cable lenght: **001** = 10 cm, **010** = 1 m, **100** = 10 m
- **H** = *shielded connector*

ETHERNET 8 POLES (4 PAIRS)

COD.	(F)	(M)
CABLE SPECIFICATIONS	*PVC FIXED INSTALL. CABLE*	*PUR DYNAMIC INSTALL. CABLE*
Sections	4 x 2 x 26 AWG SN/ST	4 x 2 x 26AWG SN/ST
Diameter	6.4 +/- 0.2	7.2 +/- 0.2
Outer Jacket	PVC Green RAL 6018 Oil resistant Flam retardant FT1	PUR Green Ral 6018 Oil resistant Flam retardant FT1
Reference standards	UL CAT 6	UL CAT 6
Bending radius	10 x Ø esterno	10 x Ø esterno
Shield	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	180 mt / min	600 m / min
Acceleration	2 mt / secq	60 m / secq

IC AUTOMATION

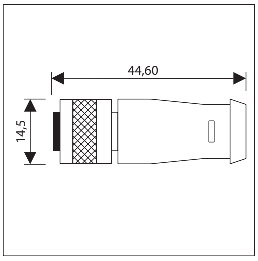
PROFIBUS PROFIBUS

Connectors and extenders for Profibus networks

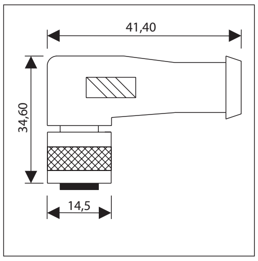
PROFIBUS NETWORK CONNECTORS

FEMALE AX

Cod. AS-M12**FAX**PB/*****

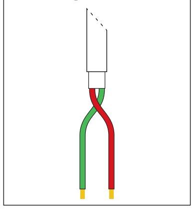


FEMALE RD



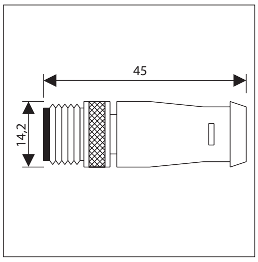
Cod. AS-M12**FRD**PB/*****

CABLE



MALE AX

Cod. AS-M12**MAX**PB/*****

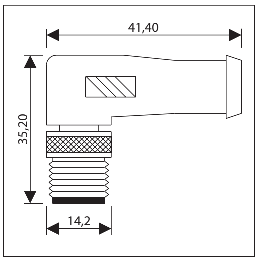


COLOURS TABLE

2	LINE A	(green)	GN
4	LINE B	(red)	RD

SHIELDED CONNECTOR

MALE RD



Cod. AS-M12**MRD**PB/*****

CODE COMPOSITION

MORE CONFIGURATIONS

Cable type (code like table)

Code (like drawing)

AS-M12 *** PB/ **050** * *

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

X = inox ring nut

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

MATERIALS

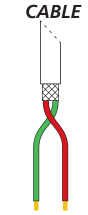
Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorous bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in Viton (female).

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

PROFIBUS

COD.	(F)	(M)
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	(1 x 2 x 0.64 Ø) SN/ST	(1 x 2 x 0.64 Ø) SN/ST
Diameter	7.7 +/- 0.2	7.8 +/- 0.2
Outer Jacket	PVC Violet Ral 4001 Oil resistant --- STYLE 2464 Flam retardant FT1	PUR Violet Ral 4001 Oil resistant UL758/ UL2556/ EN50363-10-2 STYLE 20549 Flam retardant FT2 Halogen Free
Reference standards	UL Desina	UL Desina
Electrical characteristics	Nominal Impedence 150 ohm +/- 15 Transmission speed up to 200 mt - 12 Mbit/s	Nominal capacity 50 pF/m Impedence 100 ohm +/- 15 Transmission speed up to 200 mt - 12 Mbit/s
Work range	-20 / +80°C Static App.	-30 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	5 x Ø esterno Static App.	5 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium II - A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	I - in poliestere / alluminium II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	300 m / min
Acceleration	---	40 m / secq

PROFIBUS NETWORKS EXTENSIONS



COLOURS TABLE		
2 LINE A		GN
4 LINE B		RD
SHIELDED CONNECTOR		

B M12 \ A M12	M AX	M RD	F AX	F RD	M 273	F 593
F 593	14	18	22	26	33	36
M 273	12	16	20	24	31	
F RD	07	06	01	05		
F AX	03	04	02			
M RD	09	08				
M AX	10					

CODE COMPOSITION

Cable type (code like table)

Code (like tab)

AS-PLPB**050**/*** *

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MORE CONFIGURATIONS

X = inox ring nut

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

PROFIBUS

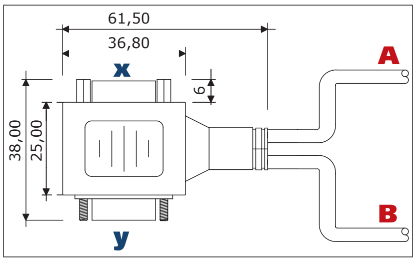
COD.	(F)	(M)
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	(1 x 2 x 0.64 Ø) SN/ST	(1 x 2 x 0.64 Ø) SN/ST
Diameter	7.7 +/- 0.2	7.8 +/- 0.2
Outer Jacket	PVC Violet Ral 4001 Oil resistant --- STYLE 2464 Flam retardant FT1	PUR Violet Ral 4001 Oil resistant UL758/ UL2556/ EN50363-10-2 STYLE 20549 Flam retardant FT2 Halogen Free
Reference standards	UL Desina	UL Desina
Electrical characteristics	Nominal Impedence 150 ohm +/- 15 Transmission speed up to 200 mt - 12 Mbit/s	Nominal capacity 50 pF/m Impedence 100 ohm +/- 15 Transmission speed up to 200 mt - 12 Mbit/s
Work range	-20 / +80°C Static App.	-30 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	5 x Ø esterno Static App.	5 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium II - A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	I - in poliestere / alluminium II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	300 m / min
Acceleration	---	40 m / secq

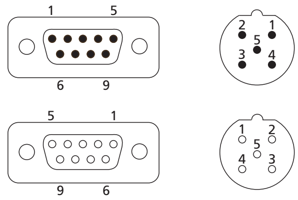
IC AUTOMATION

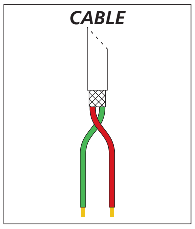
PROFIBUS NETWORKS APPLICATIONS

SUB-D ADAPTER Male-Female

Cod. AS-APB2S9***/***







COLOURS TABLE

A	B				C
M 12	M 12				SUB-D
2	2	LINE A		GN	8
4	4	LINE B		RD	3
SHIELDED CONNECTOR					

		A: M12						A: FREE
B		M AX	M RD	F AX	F RD	M 273	F 593	FREE
FREE	FREE	09	17	24	30	39	44	45
M12	F 593	08	16	23	29	38	43	
M12	M 273	06	14	21	27	36		
M12	F RD	04	12	19	25			
M12	F AX	03	11	18				
M12	M RD	02	10					
M12	M AX	01						

ORIENTATION SUB-D

X

A-male pin 1 up
B-male pin 1 down
C-female pin 1 up
D-female pin 1 down

Y

A-male pin 1 up
B-male pin 1 down
C-female pin 1 up
D-female pin 1 down

CODE COMPOSITION

MORE CONFIGURATIONS

Cable type (code like table)

Code (like tab)

AS-APB2S9XY050/*** *

Orientation Sub-d Code (like tab)

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

X = inox ring nut

PROFIBUS

COD.	(F)	(M)
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	(1 x 2 x 0.64 Ø) SN/ST	(1 x 2 x 0.64 Ø) SN/ST
Diameter	7.7 +/- 0.2	7.8 +/- 0.2
Outer Jacket	PVC Violet Ral 4001 Oil resistant --- STYLE 2464 Flam retardant FT1	PUR Violet Ral 4001 Oil resistant UL758/ UL2556/ EN50363-10-2 STYLE 20549 Flam retardant FT2 Halogen Free
Reference standards	UL Desina	UL Desina
Electrical characteristics	Nominal Impedence 150 ohm +/- 15 Transmission speed up to 200 mt - 12 Mbit/s	Nominal capacity 50 pF/m Impedence 100 ohm +/- 15 Transmission speed up to 200 mt - 12 Mbit/s
Work range	-20 / +80°C Static App.	-30 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	5 x Ø esterno Static App.	5 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium II - A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	I - in poliestere / alluminium II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	300 m / min
Acceleration	---	40 m / secq

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

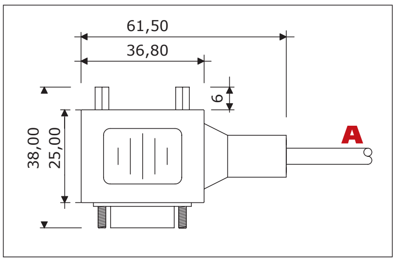
TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

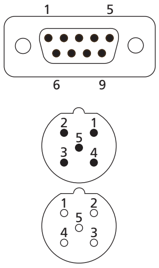
IC AUTOMATION

PROFIBUS NETWORK TERMINATORS

SUB-D TERMINATOR

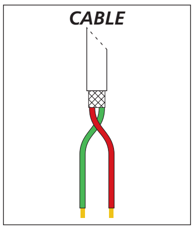
Cod. AS-TPBS9***/***





COMPOSIZIONE CODICE *CODE COMPOSITION*
Tipologia cavo (vedi cod. in tabella) *Cable type (code like table)*
AS-TPBS9**050**/***
lunghezza cavo *cable lenght* **001** = 10 cm **010** = 1 m **100** = 10 m
Cod. (vedi tabella) *Code (like tab)*

	A								
	M12								FREE
	M AX	M RD	F AX	F RD	M 10163	M 273	F 11163	F 593	FREE
1 Up	01	02	03	04	05	06	07	08	09
1 Down	11	12	13	14	15	16	17	18	19



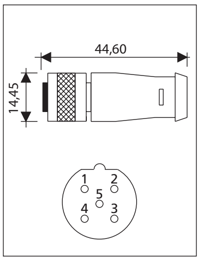
COLOURS TABLE			
A			C
M 12			SUB-D
2	LINE A	GN	8
4	LINE B	RD	3
SHIELDED CONNECTOR			

COD.	(F)	(M)
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	(1 x 2 x 0.64 Ø) SN/ST	(1 x 2 x 0.64 Ø) SN/ST
Diameter	7.7 +/- 0.2	7.8 +/- 0.2
Outer Jacket	PVC Violet Ral 4001 Oil resistant --- STYLE 2464 Flam retardant FT1	PUR Violet Ral 4001 Oil resistant UL758/ UL2556/ EN50363-10-2 STYLE 20549 Flam retardant FT2 Halogen Free
Reference standards	UL Desina	UL Desina
Electrical characteristics	Nominal Impedence 150 ohm +/- 15 Transmission speed up to 200 mt - 12 Mbit/s	Nominal capacity 50 pF/m Impedence 100 ohm +/- 15 Transmission speed up to 200 mt - 12 Mbit/s
Work range	-20 / +80°C Static App.	-30 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	5 x Ø esterno Static App.	5 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium II - A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	I - in poliestere / alluminium II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	300 m / min
Acceleration	---	40 m / secq

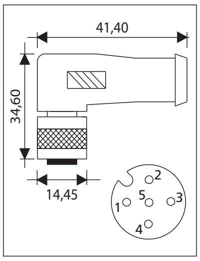
M12 TERMINATORS

Female *AX*

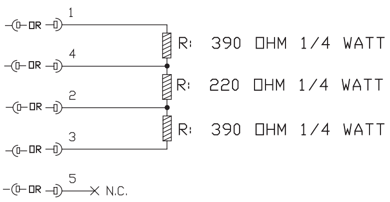
Cod. AS-M12TPBFAX



Female *RD*

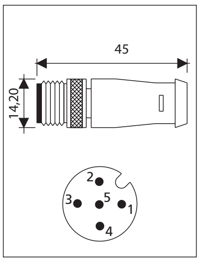


Cod. AS-M12TPBFRD

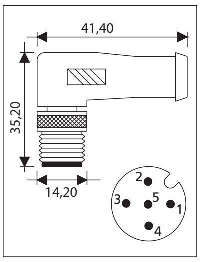


Male *AX*

Cod. AS-M12TPBMAX



Male *RD*



Cod. AS-M12TPBMRD

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

MATERIALS

Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorouse bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in Viton (female).

IC AUTOMATION

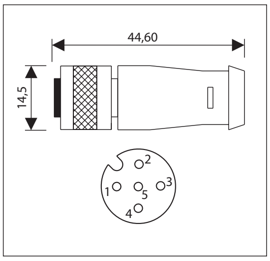
DEVICENET DEVICENET

Connectors and extenders for Devicenet networks

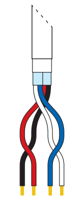
DEVICENET NETWORK CONNECTORS

FEMALE AX

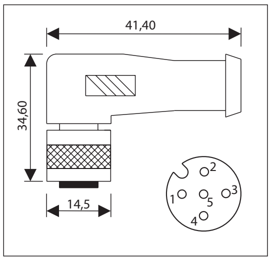
Cod. AS-M12**FAX**DV/***



CABLE

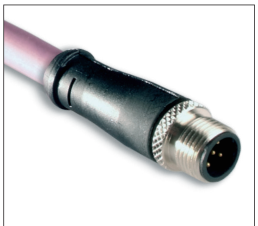


FEMALE RD

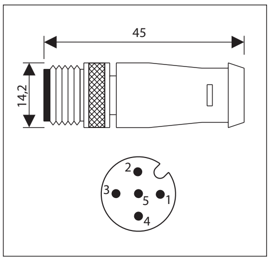


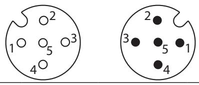
Cod. AS-M12**FRD**DV/***

MALE AX



Cod. AS-M12**MAX**DV/***



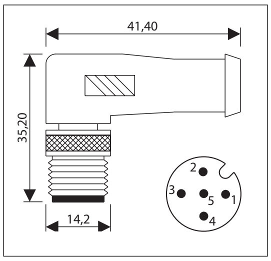


COLOURS TABLE

1	SHIELD	
2	V+	RD
3	V-	BK
4	CAN_H	WH
5	CAN_L	BU

SHIELDED CONNECTOR

MALE RD



Cod. AS-M12**MRD**DV/***

CODE COMPOSITION	MORE CONFIGURATIONS
Cable type (code like table) Code (like drawing) AS-M12***DV/050* * cable lenght **001** = 10 cm **010** = 1 m **100** = 10 m	**X** = inox ring nut

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

MATERIALS

Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorouse bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in Viton (female).

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

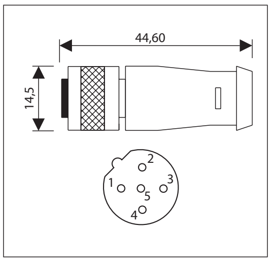
DEVICENET

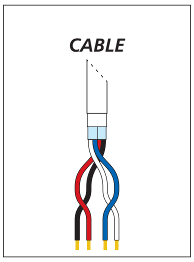
COD.	(F)	(M)
CABLE SPECIFICATIONS	*PVC FIXED INSTALL. CABLE*	*PUR DYNAMIC INSTALL. CABLE*
Sections	(2 x 24awg) SN + (2 x 22awg) SN/ST	(2 x 24awg) SN + (2 x 22awg) SN/ST
Diameter	7 +/- 0.2	7 +/- 0.2
Outer Jacket	PVC Violet Ral 4001 Oil resistant ISO 6722 STYLE 2464 Flam Test FT1	PUR Violet Ral 4001 Oil resistant ISO 6722/ UL1581/ IEC60811-2-1 STYLE 20233 Flam Test FT1
Reference standards	UL Desina	UL Desina
Electrical characteristics	Nominal Impedence 120 ohm +/- 12 Transmission speed up to 200 mt - 500 Kbit/s	Nominal Impedence 120 ohm +/- 12 Transmission speed up to 200 mt - 500 Kbit/s
Work range	-25 / +80°C Static App. -5 / +80°C Dynamic App.	-40 / +80°C Static App. -20 / +70°C Dynamic App.
Bending radius	10 x Ø esterno	5 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 65% Braided coverage ≥ 65%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 65% Braided coverage ≥ 65%
Traslation's speed	---	300 m / min
Acceleration	---	40 m / secq

DEVICENET NETWORK CONNECTORS B-CODE

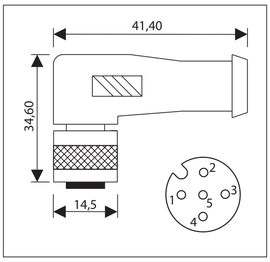
FEMALE AX

Cod. AS-M12**FAX**DVB/***



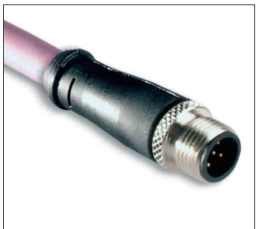


FEMALE RD

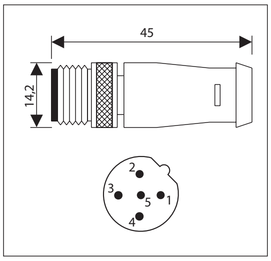


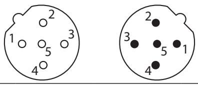
Cod. AS-M12**FRD**DVB/***

MALE AX



Cod. AS-M12**MAX**DVB/***



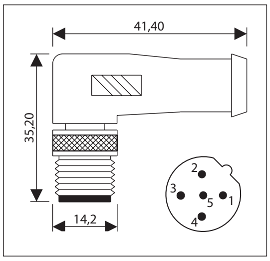


COLOURS TABLE

BODY SHIELD		
1 V+		RD
3 V-		BK
2 CAN_H		WH
4 CAN_L		BU

SHIELDED CONNECTOR

MALE RD



Cod. AS-M12**MRD**DVB/***

CODE COMPOSITION | **MORE CONFIGURATIONS**

Cable type (code like table)

Code (like drawing)

AS-M12***DVB/**050*** *

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

X = *inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

MATERIALS

Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorouse bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in Viton (female).

TECHNICAL SPECIFICATIONS

Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

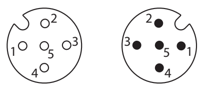
DEVICENET

COD.	(F)	(M)
CABLE SPECIFICATIONS	*PVC FIXED INSTALL. CABLE*	*PUR DYNAMIC INSTALL. CABLE*
Sections	(2 x 24awg) SN + (2 x 22awg) SN/ST	(2 x 24awg) SN + (2 x 22awg) SN/ST
Diameter	7 +/- 0.2	7 +/- 0.2
Outer Jacket	PVC Violet Ral 4001 Oil resistant ISO 6722 STYLE 2464 Flam Test FT1	PUR Violet Ral 4001 Oil resistant ISO 6722/ UL1581/ IEC60811-2-1 STYLE 20233 Flam Test FT1
Reference standards	UL Desina	UL Desina
Electrical characteristics	Nominal Impedence 120 ohm +/- 12 Transmission speed up to 200 mt - 500 Kbit/s	Nominal Impedence 120 ohm +/- 12 Transmission speed up to 200 mt - 500 Kbit/s
Work range	-25 / +80°C Static App. -5 / +80°C Dynamic App.	-40 / +80°C Static App. -20 / +70°C Dynamic App.
Bending radius	10 x Ø esterno	5 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 65% Braided coverage ≥ 65%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 65% Braided coverage ≥ 65%
Traslation's speed	---	300 m / min
Acceleration	---	40 m / secq

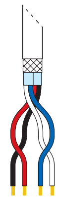
IC AUTOMATION

DEVICENET NETWORK EXTENSIONS

		A					
		M12					
		M AX	M RD	F AX	F RD	M 273	F 593
B	M12	F 593	14	18	22	26	33	36
		M 273	12	16	20	24	31	
		F RD	07	06	01	05		
		F AX	03	04	02			
		M RD	09	08				
		M AX	10					



CABLE



COLOURS TABLE

1	SHIELD	
2	V+	RD
3	V-	BK
4	CAN_H	WH
5	CAN_L	BU

SHIELDED CONNECTOR

CODE COMPOSITION

Cable type (code like table)

AS-PLDV**050**/*** *

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

Code (like tab)

MORE CONFIGURATIONS

X = *inox ring nut*

DEVICENET

COD.	(F)	(M)
CABLE SPECIFICATIONS	*PVC FIXED INSTALL. CABLE*	*PUR DYNAMIC INSTALL. CABLE*
Sections	(2 x 24awg) SN + (2 x 22awg) SN/ST	(2 x 24awg) SN + (2 x 22awg) SN/ST
Diameter	7 +/- 0.2	7 +/- 0.2
Outer Jacket	PVC Violet Ral 4001 Oil resistant ISO 6722 STYLE 2464 Flam Test FT1	PUR Violet Ral 4001 Oil resistant ISO 6722/ UL1581/ IEC60811-2-1 STYLE 20233 Flam Test FT1
Reference standards	UL Desina	UL Desina
Electrical characteristics	Nominal Impedence 120 ohm +/- 12 Transmission speed up to 200 mt - 500 Kbit/s	Nominal Impedence 120 ohm +/- 12 Transmission speed up to 200 mt - 500 Kbit/s
Work range	-25 / +80°C Static App. -5 / +80°C Dynamic App.	-40 / +80°C Static App. -20 / +70°C Dynamic App.
Bending radius	10 x Ø esterno	5 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 65% Braided coverage ≥ 65%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 65% Braided coverage ≥ 65%
Traslation's speed	---	300 m / min
Acceleration	---	40 m / secq

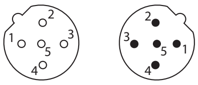
MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

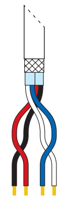
TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

DEVICENET NETWORK EXTENSIONS B-CODE

B – M12	A – M12: M AX	M RD	F AX	F RD	M 273	F 593
F 593	14	18	22	26	33	36
M 273	12	16	20	24	31	
F RD	07	06	01	05		
F AX	03	04	02			
M RD	09	08				
M AX	10					



CABLE



COLOURS TABLE		
BODY	SHIELD	
1	V+	RD
3	V-	BK
2	CAN_H	WH
4	CAN_L	BU

SHIELDED CONNECTOR

CODE COMPOSITION	MORE CONFIGURATIONS
AS-PLDVB**050**/** * *	*
Cable type (code like table)	X = inox ring nut
cable lenght: **001** = 10 cm; **010** = 1 m; **100** = 10 m	
Code (like tab)	

DEVICENET

COD.	(F)	(M)
CABLE SPECIFICATIONS	*PVC FIXED INSTALL. CABLE*	*PUR DYNAMIC INSTALL. CABLE*
Sections	(2 x 24awg) SN + (2 x 22awg) SN/ST	(2 x 24awg) SN + (2 x 22awg) SN/ST
Diameter	7 +/- 0.2	7 +/- 0.2
Outer Jacket	PVC Violet Ral 4001 Oil resistant ISO 6722 STYLE 2464 Flam Test FT1	PUR Violet Ral 4001 Oil resistant ISO 6722/ UL1581/ IEC60811-2-1 STYLE 20233 Flam Test FT1
Reference standards	UL Desina	UL Desina
Electrical characteristics	Nominal Impedence 120 ohm +/- 12 Transmission speed up to 200 mt - 500 Kbit/s	Nominal Impedence 120 ohm +/- 12 Transmission speed up to 200 mt - 500 Kbit/s
Work range	-25 / +80°C Static App. -5 / +80°C Dynamic App.	-40 / +80°C Static App. -20 / +70°C Dynamic App.
Bending radius	10 x Ø esterno	5 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 65% Braided coverage ≥ 65%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 65% Braided coverage ≥ 65%
Traslation's speed	---	300 m / min
Acceleration	---	40 m / secq

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

IC AUTOMATION

CAN OPEN CAN OPEN

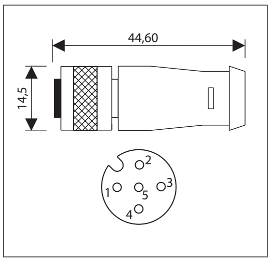
Connectors and extenders for CanOpen networks

CAN OPEN NETWORK CONNECTORS

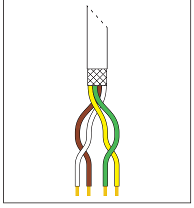
CANopen

FEMALE AX

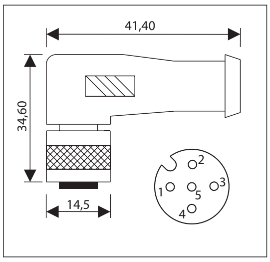
Cod. AS-**M12FAX**CO/****



CAVO
CABLE



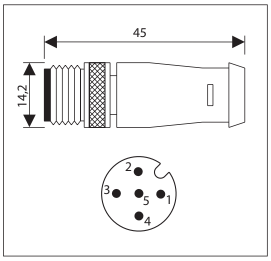
FEMALE RD



Cod. AS-**M12FRD**CO/****

MALE AX

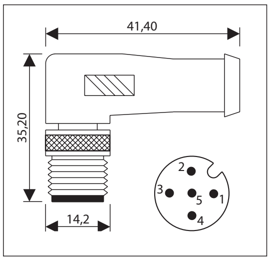
Cod. AS-**M12MAX**CO/****



COLOURS TABLE

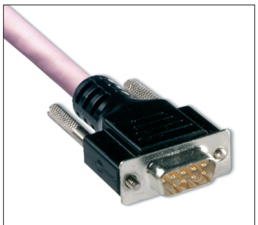
1	SHIELD		
2	CAN_V+		BN
3	CAN_GND		WH
4	CAN_H		YE
5	CAN_L		GN

MALE RD

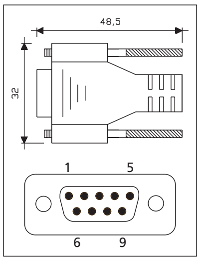


Cod. AS-**M12MRD**CO/****

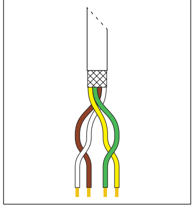
MALE SUB D



Cod. AS-**SD9M**CO/****



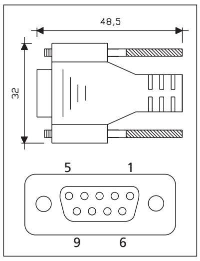
CAVO
CABLE

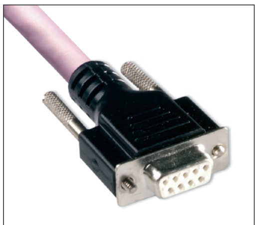


COLOURS TABLE

2	CAN_L		GN
3	CAN_GND		WH
7	CAN_H		YE
9	CAN_V+		BN
5	SHIELD		

FEMALE SUB D





Cod. AS-**SD9F**CO/****

CODE COMPOSITION | **MORE CONFIGURATIONS**

Cable type (code like table)

Code (like drawing)

AS-****CO/050* **

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

H = shield connect nut
X = inox ring nut
HX = shielded connector and inox ring nut

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H

MATERIALS M12

Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorouse bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in Viton (female).

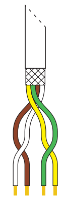
TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

CAN OPEN

COD.	(F)	(M)
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 22AWG ST	2 x 2 x 22AWG ST
Diameter	7 +/- 0.2	7.4 +/- 0.2
Outer Jacket	PVC Violet Ral 4001 Oil resistant UL 1581 STYLE 2502 Flam retardant FT1	PUR Violet Ral 4001 Oil resistant UL 1581 STYLE 20236 Flam retardant FT1 Halogen Free
Reference standards	UL Desina Classe 2	UL Desina Classe 6
Electrical characteristics	Nominal Capacity 50 pf/m Nominal Impedence 120 ohm Transmission speed up to 40 mt - 1000 Kbit/s	Nominal Capacity 50 pf/m Nominal Impedence 120 ohm Transmission speed up to 40 mt - 1000 Kbit/s
Work range	-20 / +80°C Static App.	-20 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	5 x Ø esterno	10 x Ø esterno
Shield	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

CAN OPEN NETWORK EXTENSIONS

CANopen DESINA



CABLE	STRAIGHT					
A					B	
M12	SUB09				M12	SUB09
1	5	SHIELD			1	5
2	9	CAN_V+		BN	2	9
3	3	CAN_GND		WH	3	3
4	7	CAN_H		YE	4	7
5	2	CAN_L		GN	5	2

			A							
			M12						SUB 09	
			M AX	M RD	F AX	F RD	M 273	F 593	M	F
B	SUB 09	F	14	17	05	10	54	52	20	19
B	SUB 09	M	15	18	06	11	50	48	21	
B	M12	F 593	47	46	45	44	42	40		
B	M12	M 273	32	31	30	29	27			
B	M12	F RD	08	09	02	07				
B	M12	F AX	03	04	01					
B	M12	M RD	13	16						
B	M12	M AX	12							

CODE COMPOSITION	MORE CONFIGURATIONS
Cable type (code like table) AS-PLCO**050**/*** cable lenght **001** = 10 cm **010** = 1 m **100** = 10 m Code (like tab)	** **H** = shielded connector **X** = inox ring nut **HX** = shielded connector and inox ring nut

CAN OPEN

COD.	(F)	(M)
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 22AWG ST	2 x 2 x 22AWG ST
Diameter	7 +/- 0.2	7.4 +/- 0.2
Outer Jacket	PVC Violet Ral 4001 Oil resistant UL 1581 STYLE 2502 Flam retardant FT1	PUR Violet Ral 4001 Oil resistant UL 1581 STYLE 20236 Flam retardant FT1 Halogen Free
Reference standards	UL Desina Classe 2	UL Desina Classe 6
Electrical characteristics	Nominal Capacity 50 pf/m Nominal Impedence 120 ohm Transmission speed up to 40 mt - 1000 Kbit/s	Nominal Capacity 50 pf/m Nominal Impedence 120 ohm Transmission speed up to 40 mt - 1000 Kbit/s
Work range	-20 / +80°C Static App.	-20 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	5 x Ø esterno	10 x Ø esterno
Shield	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

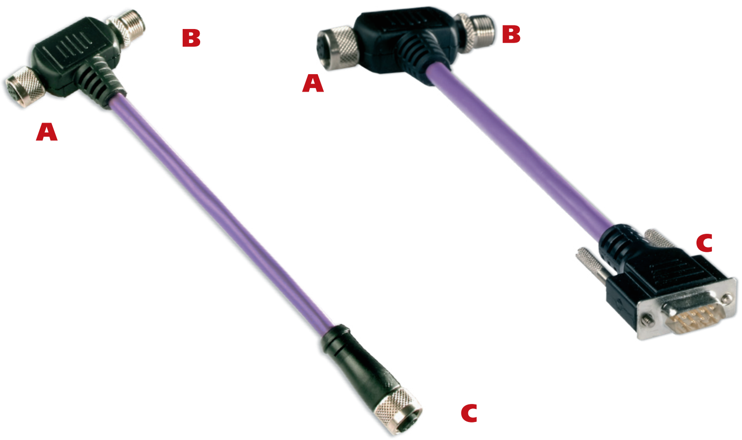
MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H

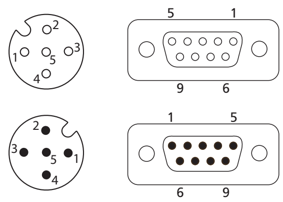
TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

IC AUTOMATION

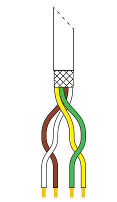
T EXTENDERS FOR CAN OPEN NETWORKS



A-B				C	
M12				M12	SUB09
1	SHIELD			1	5
2	CAN_V+		BN	2	9
3	CAN_GND		WH	3	3
4	CAN_H		YE	4	7
5	CAN_L		GN	5	2



CABLE



TIPOLOGIA CONNESSIONI			COD
A	B	C	
M12 - Fem	M12 - Ma	M12 - Fem - AX	01
M12 - Fem	M12 - Ma	M12 - Fem - RD	02
M12 - Fem	M12 - Ma	M12 - Mas - AX	03
M12 - Fem	M12 - Ma	M12 - Mas - RD	04
M12 - Fem	M12 - Ma	SUB - 09 Fem	05
M12 - Fem	M12 - Ma	SUB - 09 Mas	06
M12 - Fem	M12 - Ma	Fili liberi - *Free*	07

CODE COMPOSITION

Cable type (code like table)

AS-TRCO**050**/*** **

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

Code (like tab)

MORE CONFIGURATIONS

H = *shielded connector*
X = *inox ring nut*
HX = *shielded connector and inox ring nut*

MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H

MATERIALS M12

Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorouse bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in Viton (female).

TECHNICAL SPECIFICATIONS M12	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

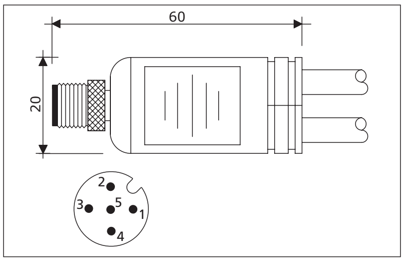
CAN OPEN

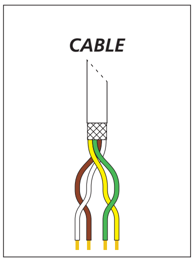
COD.	(F)	(M)
CABLE SPECIFICATIONS	*PVC FIXED INSTALL. CABLE*	*PUR DYNAMIC INSTALL. CABLE*
Sections	2 x 2 x 22AWG ST	2 x 2 x 22AWG ST
Diameter	7 +/- 0.2	7.4 +/- 0.2
Outer Jacket	PVC Violet Ral 4001 Oil resistant UL 1581 STYLE 2502 Flam retardant FT1	PUR Violet Ral 4001 Oil resistant UL 1581 STYLE 20236 Flam retardant FT1 Halogen Free
Reference standards	UL Desina Classe 2	UL Desina Classe 6
Electrical characteristics	Nominal Capacity 50 pf/m Nominal Impedence 120 ohm Transmission speed up to 40 mt - 1000 Kbit/s	Nominal Capacity 50 pf/m Nominal Impedence 120 ohm Transmission speed up to 40 mt - 1000 Kbit/s
Work range	-20 / +80°C Static App.	-20 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	5 x Ø esterno	10 x Ø esterno
Shield	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

Y EXTENDERS FOR CAN OPEN NETWORKS

MALE

Cod. AS-COYM****

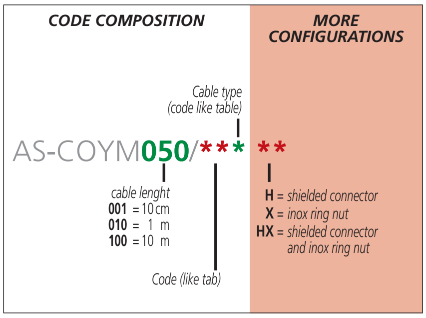




COLOURS TABLE

1	SHIELD		
2	CAN_V+		BN
3	CAN_GND		WH
4	CAN_H		YE
5	CAN_L		GN

B			A: M12 M AX	A: M12 M RD	A: M12 F AX	A: M12 F RD	A: FREE FREE
B	FREE	FREE	09	13	16	18	19
B	M12	F RD	04	12	15	17	
B	M12	F AX	03	11	14		
B	M12	M RD	02	10			
B	M12	M AX	01				



MORE CONFIGURATIONS

Inox AISI 304 Ring Nut	min. 50 pcs	X
Shielded Connector		H

CAN OPEN

COD.	(F)	(M)
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 22AWG ST	2 x 2 x 22AWG ST
Diameter	7 +/- 0.2	7.4 +/- 0.2
Outer Jacket	PVC Violet Ral 4001 Oil resistant UL 1581 STYLE 2502 Flam retardant FT1	PUR Violet Ral 4001 Oil resistant UL 1581 STYLE 20236 Flam retardant FT1 Halogen Free
Reference standards	Desina Classe 2	Desina Classe 6
Electrical characteristics	Nominal Capacity 50 pf/m Nominal Impedence 120 ohm Transmission speed up to 40 mt - 1000 Kbit/s	Nominal Capacity 50 pf/m Nominal Impedence 120 ohm Transmission speed up to 40 mt - 1000 Kbit/s
Work range	-20 / +80°C Static App.	-20 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	5 x Ø esterno	10 x Ø esterno
Shield	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

MATERIALS

Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorouse bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in Viton (female).

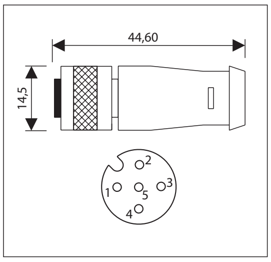
TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

CAN OPEN NETWORK APPLICATIONS

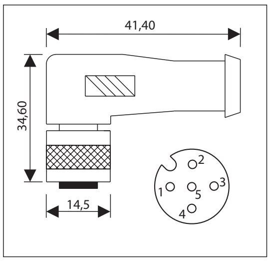
NETWORK TERMINATORS

FEMALE AX

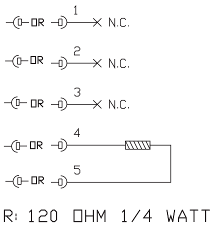
Cod. AS-M12TCOFAX



FEMALE RD

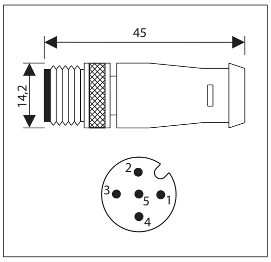


Cod. AS-M12TCOFRD

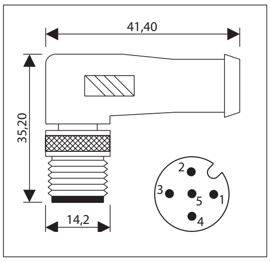


MALE AX

Cod. AS-M12TCOMAX



MALE RD

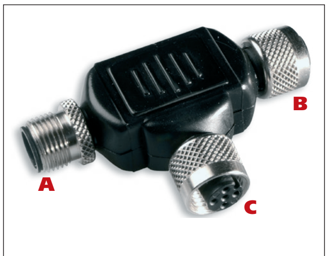


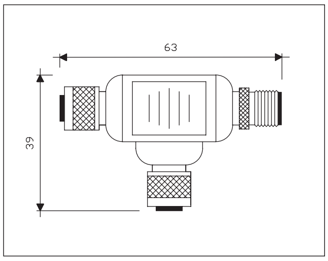
Cod. AS-M12TCOMRD

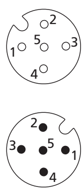
MATERIALS

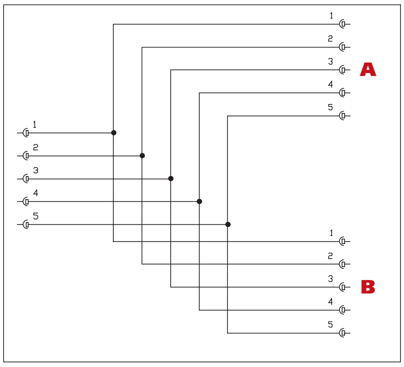
Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorouse bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in Viton (female).

ELBOWS T









CONNESSIONI / *CONNECTION*			CODICE / *CODE*	
A	**B**	**C**	NOT SHIELDED	SHIELDED
M12 - Fem	M12 - Ma	M12 - Fem	AS-RX050505/02	AS-RX050505/02H
M12 - Fem	M12 - Ma	M12 - Ma	AS-RX050505/12	AS-RX050505/12H

NOTA: *other connection type on page 48.*

TECHNICAL SPECIFICATIONS	
Reference standards	IEC 61076-2-101
Nominal Currents	4 A
Nominal Voltage	60 V AC-DC
Protection Class	IP67
Resistance	≤ 5mΩ
Working Temperature	-20/+80°C

MATERIALS

Contact plug in self-extinguishing ABS UL94, turned contact with gold plating AU03 (male) or phosphorouse bronze contact with gold flash (female), metal ring nut in nickel-plated brass, body in black polyamide, shore hardness 92H. O-ring in Viton (female).

TAILOR-MADE SOLUTIONS

Here are some examples of CAN networks carried out with a minor number of connections allowing economic savings and optimizing final applications.
1 *Daisy chain network designed for modular equidistant machines.*
2 *Example of drop and trunk line, connected this way allow to avoid useless connections.*

1


2

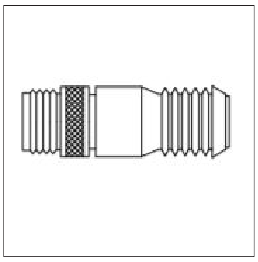

IC AUTOMATION

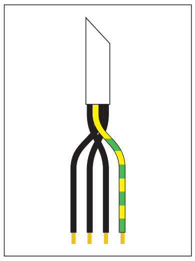
M12 POWER S CODED

IC AUTOMATION

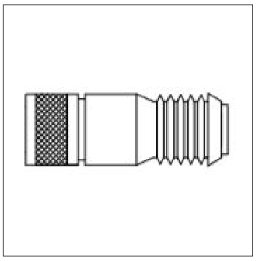
M12 POWER S CODED

MALE AX





FEMALE AX



COLOURS TABLE	
1	BK1
2	BK2
3	BK3
PE	YEGN

CODE COMPOSITION — **MORE CONFIGURATIONS**

AS-M12S***04050**/*

- **AX** = *Straight*, **PX** = panel
- **S** = Connector Cod. S
- **F** = *female*, **M** = male
- *Cable type (code like table)*
- *cable lenght*: **001** = 10 cm, **010** = 1 m, **100** = 10 m
- **G** = grafoplast
- **H** = *shielded connector*

CODE COMPOSITION — **MORE CONFIGURATIONS**

AS-PLS0500404/***/*

- **S** = Connector Cod. S
- *Cable type (code like table)*
- *cable lenght*: **001** = 10 cm, **010** = 1 m, **100** = 10 m
- **G** = grafoplast
- **H** = *shielded connector*

B M12 4 PINS \ A M12 4 PINS	F AX	F AN	M AX	M AN
M AN	05	13	25	30
M AX	04	12	24	
F AN	02	10		
F AX	01			

COD.	CO	COS	RO	ROS
CABLE SPECIFICATIONS	PVC CABLE	PVC SHIELDED CABLE	PUR CABLE	PUR SHIELDED CABLE
Sections	4 x 1,5 mmq	4 x 1,5 mmq	4 x 1,5 mmq	4 x 1,5 mmq
Reference standards				
Shield	NO	SI	NO	SI

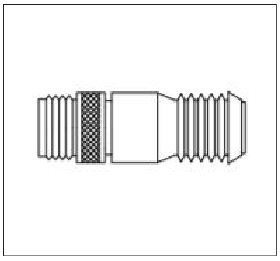
IC AUTOMATION

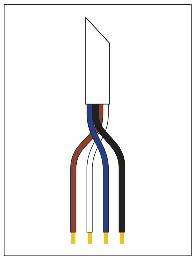
M12 POWER T CODED

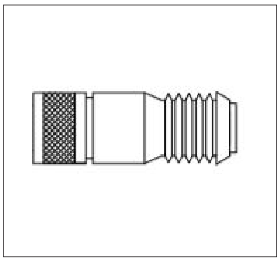
M12 POWER T CODED

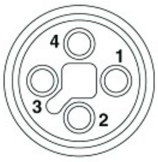
MALE AX





FEMALE AX





COLOURS TABLE

1		BROWN
2		WHITE
3		BLUE
4		BLACK

CODE COMPOSITION — **MORE CONFIGURATIONS**

AX = *Straight*
PX = panel
Cable type (code like table)
G = grafoplast

AS-M12**T*****04**050****/*

T = Connector Cod. T
F = *female*
M = male
cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m
H = *shielded connector*

CODE COMPOSITION — **MORE CONFIGURATIONS**

Cable type (code like table)
T = Connector Cod. T
G = grafoplast

AS-PL**T0500**0404/****/*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m
H = *shielded connector*

B M12 *4 PINS* \ A M12 *4 PINS*	F AX	F AN	M AX	M AN
M AN	05	13	25	30
M AX	04	12	24	
F AN	02	10		
F AX	01			

COD.	CN	CNS	RN	RNS
CABLE SPECIFICATIONS	PVC CABLE	PVC SHIELDED CABLE	PUR CABLE	PUR SHIELDED CABLE
Sections	4 x 1,5 mmq	4 x 1,5 mmq	4 x 1,5 mmq	4 x 1,5 mmq
Reference standards				
Shield	NO	SI	NO	SI

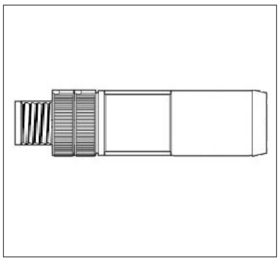
IC AUTOMATION

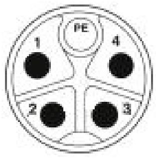
M12 POWER K CODED

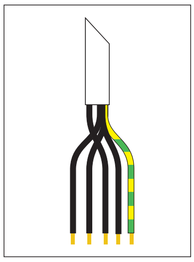
IC AUTOMATION

M12 POWER K CODED

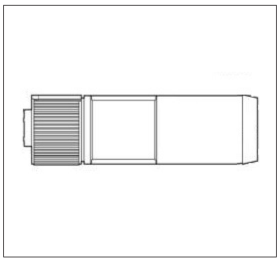
MALE AX

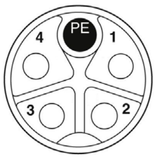






FEMALE AX





COLOURS TABLE

1	■	BK1
2	■	BK2
3	■	BK3
4	■	BK4
5	■	YEGN

CODE COMPOSITION — **MORE CONFIGURATIONS**

AX = Straight
PX = panel
Cable type (code like table)
G = grafoplast

AS-M12**K*****04**050***/*

K = Connector Cod. K
F = female
M = male
cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m
H = shielded connector

CODE COMPOSITION — **MORE CONFIGURATIONS**

Cable type (code like table)
K = Connector Cod. K
G = grafoplast

AS-PL**K050**0504/***/*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m
H = shielded connector

B M12 5 PINS \ A M12 5 PINS	F AX	F AN	M AX	M AN
M AN	05	13	25	30
M AX	04	12	24	
F AN	02	10		
F AX	01			

COD.	CN	CNS	RN	RNS
CABLE SPECIFICATIONS	PVC CABLE	PVC SHIELDED CABLE	PUR CABLE	PUR SHIELDED CABLE
Sections	5 x 1,5 mmq	5 x 1,5 mmq	5 x 1,5 mmq	5 x 1,5 mmq
Reference standards	UR	UR	UR	UR
Shield	NO	SI	NO	SI

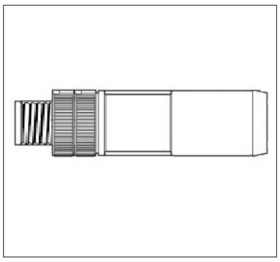
IC AUTOMATION

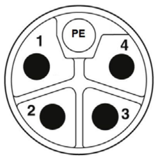
M12 POWER L CODED

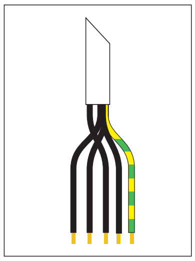

IC AUTOMATION

M12 POWER L CODED

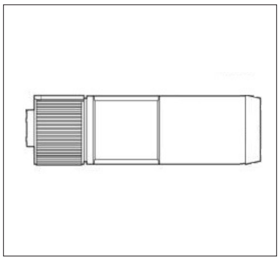
MALE AX

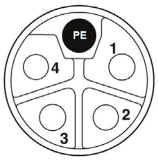






FEMALE AX





COLOURS TABLE	
1	BK1
2	BK2
3	BK3
4	BK4
5	YEGN

CODE COMPOSITION — **MORE CONFIGURATIONS**

AX = *Straight*
PX = panel
Cable type (code like table)
G = grafoplast

AS-M12**L*****04**050*****/*

L = Connector Cod. L
F = female
M = male
cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m
H = shielded connector

CODE COMPOSITION — **MORE CONFIGURATIONS**

Cable type (code like table)
L = Connector Cod. L
G = grafoplast

AS-PL**L050**0404/*****/*

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m
H = shielded connector

B M12 5 PINS \ A M12 5 PINS	F AX	F AN	M AX	M AN
M AN	05	13	25	30
M AX	04	12	24	
F AN	02	10		
F AX	01			

COD.	CN	CNS	RN	RNS
CABLE SPECIFICATIONS	PVC CABLE	PVC SHIELDED CABLE	PUR CABLE	PUR SHIELDED CABLE
Sections	5 x 1,5 mmq	5 x 1,5 mmq	5 x 1,5 mmq	5 x 1,5 mmq
Reference standards	UR	UR	UR	UR
Shield	NO	SI	NO	SI

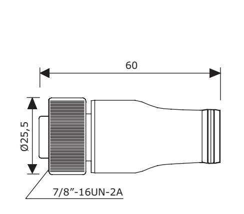
IC AUTOMATION

7/8" Connectors

7/8"

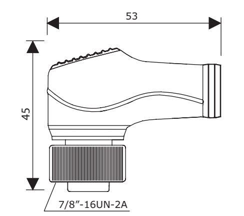
7/8" CONNECTORS • 3-4-5-6 PINS

MALE AX



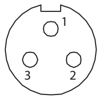
Cod. AS-78FAX*******

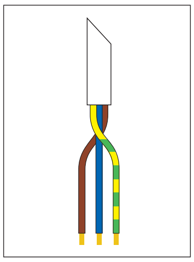
FEMALE RD



Cod. AS-78FRD*******

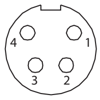
3 Pole

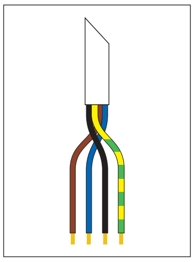




COLOURS TABLE	
1	YEGN
2	BN
3	BU

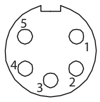
4 Pole

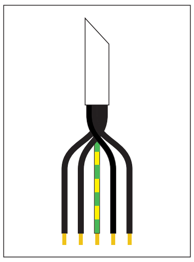




COLOURS TABLE	
1	BK
2	BU
3	BN
PE	YEGN

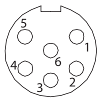
5 / Pole

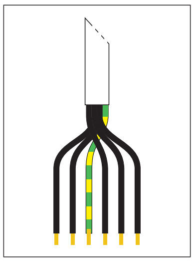




COLOURS TABLE	
1	BK-1
2	BK-2
3	YEGN
4	BK-3
5	BK-4

6 Pole





COLOURS TABLE	
1	BK-1
2	BK-2
3	YEGN
4	BK-3
5	BK-4
6	BK-5

CODE COMPOSITION

Cable type (code like table)

AX = Straight
RD = 90°

A S - 7 8 F * * 0 * 0 5 0 *

n. of pins

3 = 3 Poles
4 = 4 Poles
5 = 5 Poles
6 = 6 Poles

cable lenght
001 = 10 cm
010 = 1 m
100 = 10 m

MATERIALS
Contact plug holder: Nylon 6+30% glass fiber. Contact: phosphorouse bronze with gold flash (female). Metal ring nut: nickel-plated brass. Body connector: yellow TPU. O-ring: NBR (female).

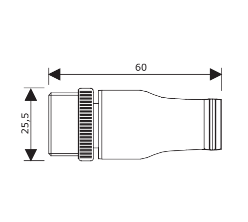
TECHNICAL SPECIFICATIONS	
Nominal Current	13 A (3P), 10 A (4P), 8A (5P), 6A (6P)
Nominal Voltage	600 V AC-DC
Protection Class	IP67
Working Temperature (conn.)	-20/+105°C Fix Install

COD.	C	CN	R	RN	C	CN	R	RN	C	CN	R	RN
CABLE SPECIFICATIONS	PVC CABLE	PVC CABLE	PUR CABLE	PUR CABLE	PVC CABLE	PVC CABLE	PUR CABLE	PUR CABLE	PVC CABLE	PVC CABLE	PUR CABLE	PUR CABLE
Sections	3G1.50 mmq	3G1.50 mmq	3G1.50 mmq	3G1.50 mmq	4G1.50 mmq	4G1.50 mmq	4G1.50 mmq	4G1.50 mmq	5G1.50 mmq	5G1.50 mmq	5G1.50 mmq	5G1.50 mmq
Conductor		---		---		---		---		---		---
Outer Jacket	PVC	PVC	PUR	PUR	PVC	PVC	PUR	PUR	PVC	PVC	PUR	PUR

7/8" CONNECTORS • 3-4-5-6 PINS

MALE AX

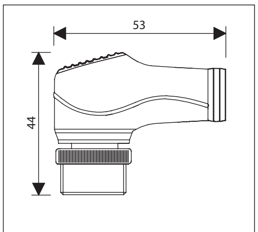
Cod. AS-78MAX*******



Cod. AS-78MAX*******

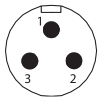
MALE RD

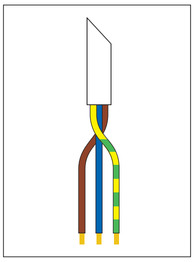
Cod. AS-78MRD*******



Cod. AS-78MRD*******

3 Pole

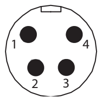


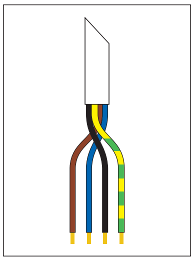


COLOURS TABLE

1	YEGN
2	BN
3	BU

4 Pole

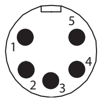


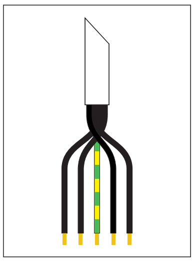


COLOURS TABLE

1	BK
2	BU
3	BN
PE	YEGN

5 Pole

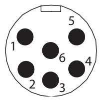


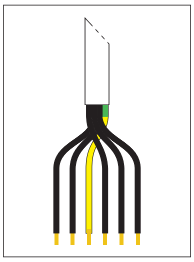


COLOURS TABLE

1	BK-1
2	BK-2
3	YEGN
4	BK-3
5	BK-4

6 Pole

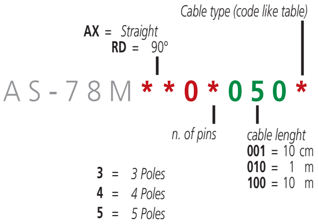




COLOURS TABLE

1	BK-1
2	BK-2
3	YEGN
4	BK-3
5	BK-4
6	BK-5

CODE COMPOSITION



MATERIALS

Contact plug holder: Nylon 6+30% glass fiber. Contact: phosphorouse bronze with gold flash (male). Metal ring nut: nickel-plated brass. Body connector: yellow TPU.

TECHNICAL SPECIFICATIONS	
Nominal Current	13 A (3P), 10 A (4P), 8A (5P)
Nominal Voltage	600 V AC-DC
Protection Class	IP67
Working Temperature (conn.)	-20/+105°C Fix Install

COD.	CN	RN	CN	RN	CN	RN
CABLE SPECIFICATIONS	PVC CABLE	PUR CABLE	PVC CABLE	PUR CABLE	PVC CABLE	PUR CABLE
Sections	3G1.50 mmq	3G1.50 mmq	4G1.50 mmq	4G1.50 mmq	5G1.50 mmq	5G1.50 mmq
Conductor	---	---	---	---	---	---
Outer Jacket	PVC	PUR	PVC	PUR	PVC	PUR

Sensor/actuators CABLES

3 WIRE

COD.	ANFG22X03C1191 "C"	ANFN22X03C1134 "CN"	ANCG22X03C1186 "R"	ANCN22X03C1161 "RN"	ASFG22X03C1084 "CS"	ASCG22X03C1174 "RS"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	PVC SHIELDED CABLE	PUR SHIELDED CABLE
Sections	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V	3 x 22AWG (3 x 0.35) ST 80° - 300 V
Diameter	4.7 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.5 +/- 0.2	4.8 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.15
Outer Jacket	PVC UL/CSA Oil Resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Black RAL 9005 Flame Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR compound Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2
Reference standards						
Working temperature	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App	-5 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	120 mt / min	---	---
Acceleration	4 mt / secq	4 mt / secq	5 mt / secq	5 mt / secq	---	5 mt / secq

4 WIRE

COD.	ANFG24X04C1139 "C"	ANFY24X04C1152 "CUY"	ANFN24X04C1154 "CN"	ANFN22X04C1160 "CUN"	ANCG24X04C1192 "R"	ANMY24X04C1190 "RUY"	ANCN24X04C1137 "RN"	ANCN22X04C1138 "RUN"	ASFG24X04C1033 "CS"	ASFN22X04C1169 "CSUN"	ASPG24X04C946 "RS"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABE	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	ULCSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	SHIELDED PVC CABLE	PVC SHIELDED CABLE	SHIELDED PUR CABLE
Sections	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 24AWG (4 x 0.25) 80° - 300 V	4 x 22AWG (4 x 0.34) 80° - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x 24AWG (4 x 0.25) 80°C - 300 V	4 x awg 22 (4 x 0.34) 80°C - 300 V-	4 x 24AWG (4 x 0.25) ST 80°C - 300 V	4 x 22AWG (4 x 0.34) ST 80°C - 300 V	4 x 24AWG (4 x 0.25) ST 80°C - 300 V
Diameter	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.8 +/- 0.2	4.6 +/- 0.2	4.0 +/- 0.2	4.7 +/- 0.2	4.9 +/- 0.2	4.9 +/- 0.2	5,4 +/- 0.2	4.8 +/- 0.2
Conductor	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 19 x 0.15	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Yellow RAL 1021 DESINA Flam Test	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA STYLE 20549 Yellow RAL 1021 DESINA Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 21441 Black - RAL9005 Flam Test FT2	PUR UL/CSA Oil resistant ISO 6722 STYLE 21441 Black RAL 9005 Flam Test FT2	PVC CEI 2022 - II Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR Compound Oil resistant ISO 6722 STYLE 20549 Grey Ral 7035 Flam Test FT1
Reference standards											
Working temperature	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.	-5 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App.	-15 / +80°C Static App.	-5 / +80°C Static App. +5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	10 x Ø esterno
Shield	---	---	---	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	120 mt / min	150 mt / min	---	150 mt / min	200 mt / min	---	---	40 mt / min

IC AUTOMATION

Sensor / actuators CABLES

5 WIRE

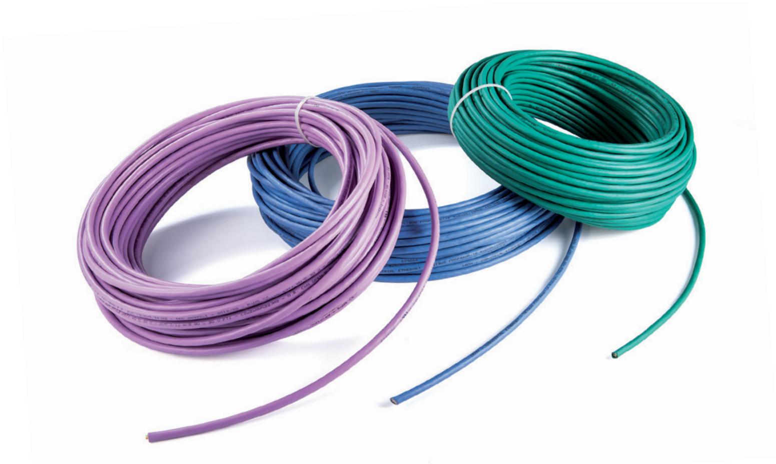
COD.	ANFG24X05C1166 "C"	ANFY24X05C1183 "CUY"	ANFN24X05C1050 "CN"	ANCG24X05C1177 "R"	ANCN24X05C1227 "RN"	ANCN22X05C1228 "RUN"	ASFG24X05C1167 "CS"	ASFY24X05C1189 "CSUY"	ASFN24X05C1136 "CSUN"	ASPN22X05C1135 "RSUN"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	UL/CSA PUR CABLE	SHIELDED PVC CABLE	SHIELDED PVC CABLE	SHIELDED PVC CABLE	SHIELDED PURCABLE
Sections	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 24AWG (5 x 0.25) 80°C - 300 V	5 x 22AWG (5 x 0.34) 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 24AWG (5 x 0.25) ST 80°C - 300 V	5 x 22AWG (5 x 0.34) ST 80°C - 300 V
Diameter	5 +/- 0.2	4.8 +/- 0.2	4.7 +/- 0.2	5 +/- 0.2	5 +/- 0.2	4.9 +/- 0.2	5.6 +/- 0.2	5.1 +/- 0.2	5.6 +/- 0.2	6.3 +/- 0.2
Conductor	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 42 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13	PVC classe 6 FLEX 42 x 0.10
Outer Jacket	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant UL 20167 STYLE 2464 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA Oil resistant UL 1581 STYLE 2464 Black Flam Test FT1	PUR compound Oil resistant ISO 6722 STYLE 21441 Grey Ral 7035 Flam Test FT2	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Black Flam Test FT1	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Black Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey Ral 7035 Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Yellow Ral 1021 DESINA Flam Test FT1	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant UL 1581 STYLE 20549 Halogen Free - Black Flam Test FT1
Reference standards										
Working temperature	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App. +5 / +80°C Dynamic App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.	-15 / +80°C Static App. -5/ +80°C Dynamic App.	-40 / +80°C Static App. -5/ +80°C Dynamic App.	-5 / +80°C Static App. +5 / +80°C Dynamic App.	-15 / +80°C Static App.	-5 / +80°C Static App.	-40 / +80°C Static App. -5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	12 x Ø esterno	7 x Ø esterno
Shield	---	---	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	90 mt / min	90 mt / min	90 mt / min	90 mt / min	150 mt / min	200 mt / min	90 mt / min	---	---	220 mt / min

8 WIRE

COD.	ANFG24X08C1133 "C"	ANFY24X08C1229 "CUY"	ANFN24X08C1187 "CUN"	ANCN24X05C1227 "RUN"	ASFG24X08C1034 "CS"	ASFY24X08C1230 "CSUY"	ASFN24X08C1146 "CSUN"	ASCN24X08C1172 "RSUN"
CABLE SPECIFICATIONS	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PVC CABLE	UL/CSA PUR CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PVC SHIELDED CABLE	UL/CSA PUR SHIELDED CABLE
Sections	8 x 24AWG (8 x 0.22) 80°C - 300 V	8 x 24AWG (8 x 0.25) 80°C - 300 V	8 x 24AWG (8 x 0.25) 80°C - 300 V	8 x 24AWG (8 x 0.25) 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V	8 x 24AWG (8 x 0.25) ST 80°C - 300 V
Diameter	5.8 +/- 0.2	6.8 +/- 0.2	5.8 +/- 0.2	6.0 +/- 0.2	6.7 +/- 0.2	6.8 +/- 0.2	6.5 +/- 0.1	6.7 +/- 0.2
Conductor	PVC classe 6 FLEX 7 x 0.20	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC FLEX 19 x 0.13	PVC FLEX 32 x 0.10	PVC classe 6 FLEX 32 x 0.10	PVC classe 6 FLEX 19 x 0.13
Outer Jacket	PVC UL/CSA Oil resistant ISO 6722 STYLE 2464 Grey RAL 7035 Flam Test FT1	PVC UL/CSA STYLE 2095 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA STYLE 2464 Black Flam Test FT1	PUR UL/CSA STYLE 20233 Black Flam Test FT1	PVC UL/CSA Oil Resistant ISO 6722 STYLE 2464 Grey RAL 7035 Flam Test FT1	PVC UL/CSA STYLE 2095 Yellow RAL 1021 DESINA Flam Test FT1	PVC UL/CSA STYLE 2464 Black Flam Test FT1	PUR UL/CSA Oil resistant ISO 6722 STYLE 21441 Black Flam Test FT2
Reference standards								
Working temperature	-25 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-40 / +80°C Static App. -5/ +80°C Dynamic App.	-5 / +80°C Static App.	-15 / +80°C Static App. +5/ +80°C Dynamic App.	-15 / +80°C Static App.	-30 / +80°C Static App. -5/ +80°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno	12 x Ø esterno	7 x Ø esterno	12 x Ø esterno	10 x Ø esterno	12 x Ø esterno	7 x Ø esterno
Shield	---	---	---	---	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	90 mt / min	90 mt / min	120 mt / min	220 mt / min	---	---	---	200 mt / min
Acceleration	4 mt / secq	4 mt / secq	4 mt / secq	10 mt / secq	---	---	---	5 mt / secq

IC AUTOMATION

Networks CABLES



ETHERNET 4 POLES (2 PAIR)

COD.	RSHV24X04C1159 (F)	RSPV24X04C820 (M)
CABLE SPECIFICATIONS	PUR FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 24AWG SN/ST	2 x 2 x 24AWG SN/ST
Diameter	6.0 +/- 0.2	5.8 +/- 0.2
Conductor	PUR Green Ral 6016 Oil resistant STYLE 20549 Flam retardant FT1 Halogen Free	PUR Green Ral 6016 Oil resistant STYLE 20549 Flam retardant FT1 Halogen Free
Outer Jacket	Desina CAT 5E	Desina CAT 5E
Reference standards	Nominal capacity 50 pF/m Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s	Nominal capacity 50 pF/m Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s
Working temperature	-40 / +80°C Static App.	-50 / +80°C Static App. -40 / +80°C Dynamic App.
Bending radius	8 x Ø esterno	10 x Ø esterno
Shield	I - in poliestere / alluminium II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	I - in poliestere / alluminium II - A treccia - Copertura ≥ 90% Braided coverage ≥ 90%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

ETHERNET 8 POLES (4 PAIRS)

COD.	RSFV24X08C877 (F)	RSPV26X08C799 (M)
CABLE SPECIFICATIONS	PUR FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	4 x 2 x 24AWG SN/ST	4 x 2 x 26AWG SN/ST
Diameter	6.3 +/- 0.2	6.6 +/- 0.2
Conductor	PVC Green Ral 6016 Oil resistant STYLE 2571 Flam retardant FT1	PUR Green Ral 5021 Oil resistant STYLE 20233 Flam retardant FT1 Halogen Free
Outer Jacket	CAT 5E	CAT 5E
Reference standards	Nominal Capacity 50 pf/m Nominal Impedence 100 ohm +/- 15	Nominal Capacity 48 pf/m Nominal Impedence 100 ohm +/- 15
Working temperature	-30 / +80°C Static App.	-40 / +80°C Static App. -20 / +60°C Dynamic App.
Bending radius	10 x Ø esterno	10 x Ø esterno
Shield	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

PROFINET / ETHERCAT

COD.	RSFV22X04C818 (F)	AS-21815 (M)
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 22AWG Q-R SN/ST	2 x 2 x 22AWG Q-R SN/ST
Diameter	6.5 +/- 0.2	6.5 +/- 0.2
Conductor	PVC Green Ral 6018 Oil resistant STYLE 2502 Flam retardant	PUR Green Ral 6018 Oil resistant STYLE 20554 Flam retardant Halogen Free
Outer Jacket	CAT 5E	CAT 5E
Reference standards	Nomical capacity 46pF/mt Nominal Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s	Nomical capacity 46pF/mt Nominal Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s
Working temperature	-30 / +80°C Static App.	-30 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	6 x Ø esterno Static App.	6 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

PROFINET / ETHERCAT

COD.	SSFV24X04C1108 (FS)	SSPV24X04C1011 (MS)
CABLE SPECIFICATIONS	PVC FIXED INSTALL. CABLE	PUR DYNAMIC INSTALL. CABLE
Sections	2 x 2 x 24AWG Q-R SN/ST	2 x 2 x 24AWG Q-R SN/ST
Diameter	5.4 +/- 0.2	5.4 +/- 0.2
Conductor	PVC Green Ral 6018 Oil resistant STYLE 2502 Flam retardant	PUR Green Ral 6018 Oil resistant STYLE 20236 Flam retardant Halogen Free
Outer Jacket	CAT 5E	CAT 5E
Reference standards	Nomical capacity 56pF/mt Nominal Impedence 100 ohm +/- 15	Nomical capacity 56pF/mt Nominal Impedence 100 ohm +/- 15
Working temperature	-30 / +80°C Static App.	-40 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	7.5 x Ø esterno	7.5 x Ø esterno
Shield	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	300 m / min
Acceleration	---	50 m / secq

IC AUTOMATION

Networks CABLES

SERCOS III

COD.	BSFR22X04C1086 (F)	BSPR22X04C1087 (M)
CABLE SPECIFICATIONS	*PVC FIXED INSTALL. CABLE*	*PUR DYNAMIC INSTALL. CABLE*
Sections	2 x 2 x 22AWG Q-R SN/ST	2 x 2 x 24AWG Q-R SN/ST
Diameter	6.5 +/- 0.2	6.5 +/- 0.2
Conductor	PVC Red Ral 3020 Oil resistant STYLE 2502 Flam retardant	PUR Red Ral 3020 Oil resistant STYLE 20554 Flam retardant Halogen Free
Outer Jacket	CAT 5E	CAT 5E
Reference standards	Nomical capacity 46pF/mt Nominal Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s	Nomical capacity 46pF/mt Nominal Impedence 100 ohm +/- 15 Transmission speed up to 100 mt - 100 Mbit/s
Working temperature	-30 / +80°C Static App.	-30 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	6 x Ø esterno Static App.	6 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Shield	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

PROFIBUS

COD.	BSFP22X02C1173 (F)	BSPP22X02C216 (M)
SPECIFICHE CAVO *CABLE SPECIFICATIONS*	*PVC FIXED INSTALL. CABLE*	*PUR DYNAMIC INSTALL. CABLE*
Sezioni *Sections*	(1 x 2 x 0.64 Ø) SN/ST	(1 x 2 x 0.64 Ø) SN/ST
Diametri *Diameter*	7.7 +/- 0.2	7.8 +/- 0.2
Guaina Esterna *Outer Jacket*	PVC Violet Ral 4001 Oil resistant --- STYLE 2464 Flam retardant FT1	PUR Violet Ral 4001 Oil resistant UL758/ UL2556/ EN50363-10-2 STYLE 20549 Flam retardant FT2 Halogen Free
Norme di riferimento *Reference standards*	Desina	Desina
Caratteristiche elettriche *Electrical characteristics*	Nominal Impedence 150 ohm +/- 15 Transmission speed up to 200 mt - 12 Mbit/s	Nominal capacity 50 pF/m Impedence 100 ohm +/- 15 Transmission speed up to 200 mt - 12 Mbit/s
Temperatura di lavoro *Work range*	-20 / +80°C Static App.	-30 / +80°C Static App. -15 / +70°C Dynamic App.
Raggio di curvatura *Bending radius*	5 x Ø esterno Static App.	5 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Schermatura *Shield*	I - in poliestere / alluminium II - A treccia - Copertura ≥ 80% Braided coverage ≥ 80%	I - in poliestere / alluminium II - A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Velocità di traslazione *Traslation's speed*	---	300 m / min
Accelerazione *Acceleration*	---	40 m / secq

CAN OPEN

COD.	BSFP22X04C166 (F)	BSPP22X04C627 (M)
CABLE SPECIFICATIONS	*PVC FIXED INSTALL. CABLE*	*PUR DYNAMIC INSTALL. CABLE*
Sections	2 x 2 x 22AWG ST	2 x 2 x 22AWG ST
Diameter	7 +/- 0.2	7.4 +/- 0.2
Conductor	PVC Violet Ral 4001 Oil resistant UL 1581 STYLE 2502 Flam retardant FT1	PUR Violet Ral 4001 Oil resistant UL 1581 STYLE 20236 Flam retardant FT1 Halogen Free
Outer Jacket	Desina Classe 2	Desina Classe 6
Reference standards	Nominal Capacity 50 pf/m Nominal Impedence 120 ohm Transmission speed up to 40 mt - 1000 Kbit/s	Nominal Capacity 50 pf/m Nominal Impedence 120 ohm Transmission speed up to 40 mt - 1000 Kbit/s
Working temperature	-20 / +80°C Static App.	-20 / +80°C Static App. -15 / +70°C Dynamic App.
Bending radius	5 x Ø esterno	10 x Ø esterno
Shield	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%	A treccia - Copertura ≥ 85% Braided coverage ≥ 85%
Traslation's speed	---	200 m / min
Acceleration	---	10 m / secq

DEVICENET

COD.	BSFP22X04C221 (F)	BSPP22X04C222 (M)
SPECIFICHE CAVO *CABLE SPECIFICATIONS*	*PVC FIXED INSTALL. CABLE*	*PUR DYNAMIC INSTALL. CABLE*
Sezioni *Sections*	(2 x 24awg) SN + (2 x 22awg) SN/ST	(2 x 24awg) SN + (2 x 22awg) SN/ST
Diametri *Diameter*	7 +/- 0.2	7 +/- 0.2
Guaina Esterna *Outer Jacket*	PVC Violet Ral 4001 Oil resistant ISO 6722 STYLE 2464 Flam Test FT1	PUR Violet Ral 4001 Oil resistant ISO 6722/ UL1581/ IEC60811-2-1 STYLE 20233 Flam Test FT1
Norme di riferimento *Reference standards*	Desina	Desina
Caratteristiche elettriche *Electrical characteristics*	Nominal Impedence 120 ohm +/- 12 Transmission speed up to 200 mt - 500 Kbit/s	Nominal Impedence 120 ohm +/- 12 Transmission speed up to 200 mt - 500 Kbit/s
Temperatura di lavoro *Work range*	-25 / +80°C Static App. -5 / +80°C Dynamic App.	-40 / +80°C Static App. -20 / +70°C Dynamic App.
Raggio di curvatura *Bending radius*	10 x Ø esterno	5 x Ø esterno Static App. 10 x Ø esterno Dynamic App.
Schermatura *Shield*	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 65% Braided coverage ≥ 65%	I - in poliestere / alluminium sulle coppie II - A treccia - Copertura ≥ 65% Braided coverage ≥ 65%
Velocità di traslazione *Traslation's speed*	---	300 m / min
Accelerazione *Acceleration*	---	40 m / secq

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