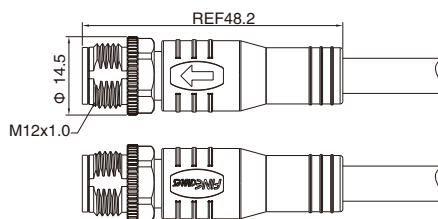


M12 Male Molded Cable, Straight, Shielded

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MA12MS*HD**STXXXXXX

* refers to coding type
** refers to pins number
X refers to cable specification



General information

Standard:	IEC 61076-2-101
Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	PA
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Coupling nut/screw:	Zinc alloy with nickel plated

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Available
IP rating:	IP68, IP69K in locked condition
Mating endurance:	>500 cycles

Electrical data & Mechanical data

Contacts	Available Coding				Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	C	D		A/C	D/C	AWG	mm ²		
03 pins					4A	250V	250V	22AWG	0.34	PUR / PVC	MA12MSAHD03STXXXB34 MA12MSBHD03STXXXB34 MA12MSCHD03STXXXB34
04 pins					4A	250V	250V	22AWG	0.34	PUR / PVC	MA12MSAHD04STXXXB34 MA12MSBHD04STXXXB34 MA12MSCHD04STXXXB34 MA12MSDHD04STXXXB34
05 pins					4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	PUR / PVC	MA12MSAHD05STXXXB34 MA12MSBHD05STXXXB34 MA12MSCHD05STXXXB25
06 pins					2A	30V	30V	24AWG	0.25	PUR / PVC	MA12MSCHD06STXXXB25
08 pins					2A	30V	30V	24AWG	0.25	PUR / PVC	MA12MSAHD08STXXXB25
12 pins					1.5A	30V	30V	26AWG	0.14	PUR / PVC	MA12MSAHD12STXXXB14
17 pins					1.5A	30V	30V	26AWG	0.14	PUR / PVC	MA12MSAHD17STXXXB14

*12pin, 17pin with different overmold from above other pins.

Note: X refers to cable specification

Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm².
- Please refer to Page 96 for products' part number encoding rule.