

2.8 M12 sensor cable

2.8.1 Order data

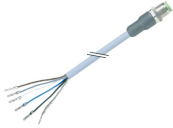

Length	Short description	
	M12 sensor cable	
2.0 m	X67CA0A41.0020	X67CA0A51.0020
5.0 m	X67CA0A41.0050	X67CA0A51.0050
10.0 m	X67CA0A41.0100	X67CA0A51.0100
15.0 m	X67CA0A41.0150	X67CA0A51.0150
20.0 m	X67CA0A41.0200	X67CA0A51.0200
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Table 585: X67CA0Axx M12 sensor cable - Order data

2.8.2 Technical data

Product ID	M12 sensor cable
General information	
Cable cross section mm ² AWG	5 x 0.34 mm ² 5 x 22 AWG
Durability	Good chemical and oil resistance Flame resistant according to VDE 0472 part 804
Lines (wires)	
Lines	Fine-stranded wires 0.34 mm ² (22 AWG) Class 6 (42 x 0.1 mm / 42 x 38 AWG)
Wire insulation	PVC
Characteristics	Free of CDC, cadmium and lead
Wire colors	Brown, black, blue, white, gray
Cable structure	
Lines Stranding Shield	5 wires stranded around filler string Yes
Outer sheathing Material Characteristics Color Labeling	Double jacket PUR / PVC Free of CDC, cadmium and lead Gray B&R X67CA0Axx.xxxx
Electrical characteristics	
Degree of insulation	Category II according to IEC 60664-1
Installed voltage	Max. 60 V AC / DC
Rated current	Max. 4 A / contact
Mechanical characteristics	
Protection type - plug/coupling	IP67, only when screwed in
Temperature range With fixed installation With flexible installation	-25 to +80°C -20 to +80°C
Outer diameter	6.4 mm ± 0.2 mm
Flex radius	≥ 10 x outer diameter
Drag chain data Speed Acceleration Flex cycles	Max. 2.0 m/s Max. 5.0 m/s ² <2.5 million

Table 586: X67CA0Axx M12 sensor cable - Technical data

2.8.3 X67CA0A41.xxxx

Dimensions			
Pin assignments			
Plugs	Pin	Name	Wire colors
<p>A-coded</p>	1	For pin Assignments, see: Module description	Brown
	2		White
	3		Blue
	4		Black
	5 ¹⁾		Gray
	M12 ²⁾	SHLD	Shield

Table 587: X67CA0A41 M12 sensor cable - Measurements and pin assignments

- 1) The gray connecting line available with X67 modules, for which Pin 5 is used as a shield connection, is not used. The cable shield for this cable is connected using a union nut.
- 2) Shielding 360° around M12 knurled screw.

Cable lengths			
Model number	Standard length [dm]	Actual length [cm]	Tolerance [cm]
X67CA0A41.0020	20	200	+5
X67CA0A41.0050	50	500	+10
X67CA0A41.0100	100	1000	+10
X67CA0A41.0150	150	1500	+10
X67CA0A41.0200	200	2000	+10

Table 588: X67CA0A41 M12 sensor cable - Cable lengths

2.8.4 X67CA0A51.xxxx

Dimensions			
Pin assignments			
Plugs	Pin	Name	Wire colors
<p>A-coded</p>	1	For pin Assignments, see: Module description	Brown
	2		White
	3		Blue
	4		Black
	5 ¹⁾		Gray
	M12 ²⁾	SHLD	Shield

Table 589: X67CA0A51 M12 sensor cable - Measurements and pin assignments

- 1) The gray connecting line available with X67 modules, for which Pin 5 is used as a shield connection, is not used. The cable shield for this cable is connected using a union nut.
- 2) Shielding 360° around M12 knurled screw.

Cable lengths			
Model number	Standard length [dm]	Actual length [cm]	Tolerance [cm]
X67CA0A51.0020	20	200	+5
X67CA0A51.0050	50	500	+10
X67CA0A51.0100	100	1000	+10
X67CA0A51.0150	150	1500	+10
X67CA0A51.0200	200	2000	+10

Table 590: X67CA0A51 M12 sensor cable - Cable lengths