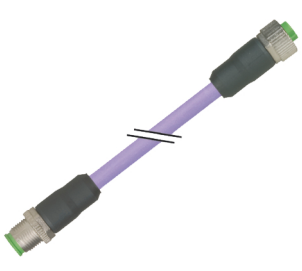
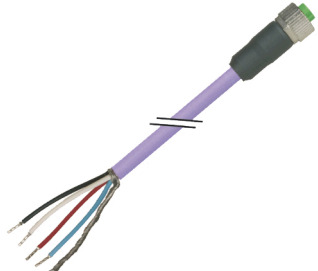
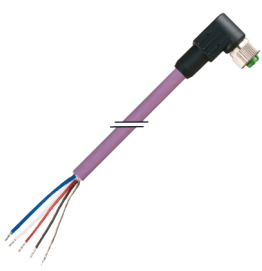


CAN bus / DeviceNet cables

Length	Short description, model number		
	Connection cables	Attachment cables	
2 m	X67CA0C02.0020		
5 m	X67CA0C02.0050	X67CA0C22.0050	X67CA0C32.0050
10 m	X67CA0C02.0100		
15 m	X67CA0C02.0150	X67CA0C22.0150	X67CA0C32.0150
20 m	X67CA0C02.0200		
35 m	X67CA0C02.0350		
40 m	X67CA0C02.0400		
50 m		X67CA0C22.0500	X67CA0C32.0500
			
Length	Tolerances for cable lengths		
0 to <1 m	+2 cm		
1 m to <10 m	+5 cm		
10 m to xx m	+10 cm		

1 Technical data

Product ID	X67CA0C02	X67CA0C22	X67CA0C32
General information			
Note		Halogen-free	
Durability		Flame resistant	
Connection	M12, 4-pin, straight	M12, 4-pin, straight	M12, 4-pin, angled
Type	Connection cables	Attachment cables	
Cable cross section			
Data cables			
AWG		2x 24 AWG	
mm ²		2x 0.25 mm ²	
Supply lines			
AWG		2x 22 AWG	
mm ²		2x 0.34 mm ²	
Cable construction			
Signal lines			
Shield		Paired shield with aluminum foil	
Stranding		Twisted pair wires	
Cable stranding		0.35 mm ² (22 AWG) with filler	
Complete shielding		Tinned copper braiding, coverage >85%	
Outer sheathing			
Material		Thermoplastic polyurethane (TPU)	
Color		Violet	
Labeling		B&R X67CA0Cxx.xxxx Rev. G0 ESCHA FC ¹⁾	
Lines			
Type		Tinned copper ETB1 Data line: fine stranded wire (19x 0.13 mm) Supply line: Fine stranded wire (19x 0.15 mm)	
Wire colors			
Data cables		Blue, white	
Supply lines		Red, black	
Wire insulation			
Data cables		Cell polyethylene (PE)	
Supply lines		Polyethylene (PE)	
Electrical characteristics			
Nominal current		Max. 4 A / contact at 40°C	
Operating voltage		Max. 250 V	
Degree of insulation		Category II in accordance with IEC 61076-2	
Conductor resistance		Data line: ≤78 Ω/km Supply line: ≤55 Ω/km	
Insulation resistance		≥100 MΩ	
Operating conditions			
EN 60529 protection			
Connector/Coupling		IP67, only when screwed in	
Environmental conditions			
Temperature			
Transport		-40 to 80°C	
Fixed installation		-40 to 80°C	
Flexible installation ²⁾		-25 to 60°C	
Mechanical characteristics			
Dimensions			
Length		Various	
Diameter		6.9 mm ±0.2 mm	
Bend radius		TBD	
Drag chain data			
Acceleration		Max. 4 m/s ²	
Flex cycles		2 million	
Speed		Max. 3 m/s	
Weight		0.063 kg/m	

Table 1: X67CA0Cxx - Technical data

- 1) xx.xxxx: Group number and cable length.
2) In cable drag chain operation.

2 X67CA0C02.xxxx

Dimensions				
Length xxxx				
Pinout				
Male connector	Pin	Name	Wire colors	Female connector
 A-keyed	1	SHLD	Tracer wire / Shield	 A-keyed
	2	V+	Red	
	3	CAN GND	Black	
	4	CAN_H	White	
	5	CAN_L	Light blue	

3 X67CA0C22.xxxx

Dimensions				
Length xxxx				
Pinout				
Female connector	Pin	Name	Wire colors	Open
 A-keyed	1	SHLD	Tracer wire / Shield	Open For custom wiring
	2	V+	Red	
	3	CAN GND	Black	
	4	CAN_H	White	
	5	CAN_L	Light blue	

4 X67CA0C32.xxxx

Dimensions				
Length xxxx				
Pinout				
Female connector	Pin	Name	Wire colors	Open
 A-keyed	1	SHLD	Tracer wire / Shield	Open For custom wiring
	2	V+	Red	
	3	CAN GND	Black	
	4	CAN_H	White	
	5	CAN_L	Light blue	