



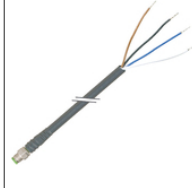
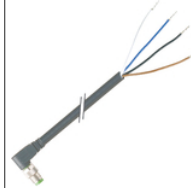


X67 I/O power supply cables

Length	Short description, order number					
	Power connection cable		Power attachment cable		Power open-ended cable	
0.25 m ¹	X67CA0P00.0002	X67CA0P10.0002	X67CA0P20.0002	X67CA0P30.0002	X67CA0P40.0002	X67CA0P50.0002
0.4 m						X67CA0P50.0004
0.5 m	X67CA0P00.0005	X67CA0P10.0005				
1 m	X67CA0P00.0010	X67CA0P10.0010	X67CA0P20.0010			
1.5 m	X67CA0P00.0015					
2 m	X67CA0P00.0020	X67CA0P10.0020		X67CA0P30.0020	X67CA0P40.0020	X67CA0P50.0020
5 m	X67CA0P00.0050	X67CA0P10.0050	X67CA0P20.0050	X67CA0P30.0050	X67CA0P40.0050	X67CA0P50.0050
10 m	X67CA0P00.0100	X67CA0P10.0100	X67CA0P20.0100	X67CA0P30.0100		
15 m	X67CA0P00.0150	X67CA0P10.0150	X67CA0P20.0150	X67CA0P30.0150		
20 m	X67CA0P00.0200		X67CA0P20.0200	X67CA0P30.0200		
25 m			X67CA0P20.0250			
30 m	X67CA0P00.0300					
50 m			X67CA0P20.0500	X67CA0P30.0500		
						

1 Standard length = 0.2 m.

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

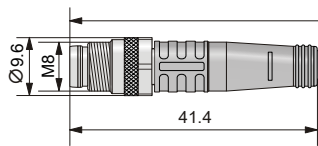
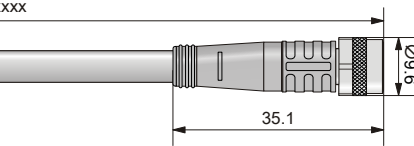
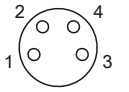
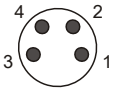
1 Technical data

Product ID	X67CA0P00	X67CA0P10	X67CA0P20	X67CA0P30	X67CA0P40	X67CA0P50
General information						
Note	PVC- and silicone-free LABS- (PWIS-) and halogen-free					
Durability	Good chemical and oil resistance Flame resistant Good UV and ozone resistance					
Connection	M8, 4-pin, straight	M8, 4-pin, angled	M8, 4-pin, straight	M8, 4-pin, angled	M8, 4-pin, straight	M8, 4-pin, angled
Type	Connection cables		Attachment cables		Open-ended cables	
Cable cross section						
AWG	4x 22 AWG					
mm ²	4x 0.34 mm ²					
Cable construction						
Complete shielding	Not shielded					
Outer sheathing						
Material	Polyurethane (PUR)					
Color	Black					
Labeling	B&R X67CA0Pxx.xxxx Rev. G0 ESCHA FC ¹⁾					
Lines						
Wire insulation	Polypropylene (PP) 9Y					
Wire colors	Brown, black, blue, white					
Type	Uncoated copper ETP1 Fine stranded wire (42x 0.1 mm / 42x 38 AWG), class 5					
Stranding	4-wire twisted pair					
Electrical characteristics						
Nominal current	Max. 4 A in accordance with EN / contact at 40°C Max. 3 A in accordance with UL / contact					
Operating voltage	Max. 60 V					
Degree of insulation	Category II in accordance with IEC 61076-2					
Conductor resistance	≤57 Ω/km					
Insulation resistance	≥100 MΩ					
Operating conditions						
EN 60529 protection						
Connector/Coupling	IP67, only when screwed in					
Environmental conditions						
Temperature						
Transport	-40 to 90°C					
Fixed installation	-30 to 90°C					
Flexible installation ²⁾	-25 to 60°C					
Mechanical characteristics						
Dimensions						
Length	Various					
Diameter	4.7 mm ±0.2 mm					
Bend radius	≥10x outer diameter					
Drag chain data						
Acceleration	Max. 5 m/s ²					
Flex cycles	5 million					
Speed	Max. 3.3 m/s					

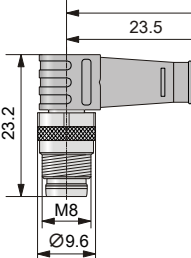
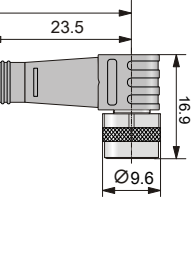
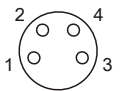
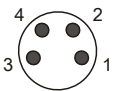
Table 1: X67CA0Pxx - Technical data

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

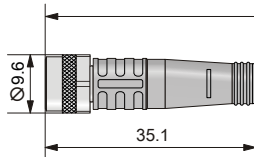
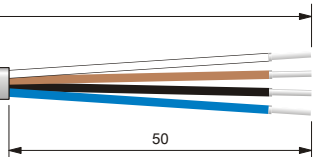
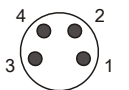
2 X67CA0P00.xxxx

Dimensions				
Length xxxx				
				
Pinout				
M8 male connector, 4-pin	Pin	Name	Wire colors	M8 female connector, 4-pin
	1	24 VDC	Brown	
	2	24 VDC	White	
	3	GND	Blue	
	4	GND	Black	

3 X67CA0P10.xxxx

Dimensions				
Length xxxx				
				
Pinout				
M8 male connector, 4-pin	Pin	Name	Wire colors	M8 female connector, 4-pin
	1	24 VDC	Brown	
	2	24 VDC	White	
	3	GND	Blue	
	4	GND	Black	

4 X67CA0P20.xxxx

Dimensions				
Length xxxx				
				
Pinout				
M8 female connector, 4-pin	Pin	Name	Wire colors	Open
	1	24 VDC	Brown	For custom wiring
	2	24 VDC	White	
	3	GND	Blue	
	4	GND	Black	

Information:

Both wires must be used since the current load is split.

5 X67CA0P30.xxxx

Dimensions				
Pinout				
M8 female connector, 4-pin	Pin	Name	Wire colors	Open
	1	24 VDC	Brown	For custom wiring
	2	24 VDC	White	
	3	GND	Blue	
	4	GND	Black	

Information:

Both wires must be used since the current load is split.

6 X67CA0P40.xxxx

Dimensions				
Pinout				
M8 male connector, 4-pin	Pin	Name	Wire colors	Open
	1	24 VDC	Brown	For custom wiring
	2	24 VDC	White	
	3	GND	Blue	
	4	GND	Black	

Information:

Both wires must be used since the current load is split.

7 X67CA0P50.xxxx

Dimensions				
Pinout				
M8 male connector, 4-pin	Pin	Name	Wire colors	Open
	1	24 VDC	Brown	For custom wiring
	2	24 VDC	White	
	3	GND	Blue	
	4	GND	Black	

Information:

Both wires must be used since the current load is split.