







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 |

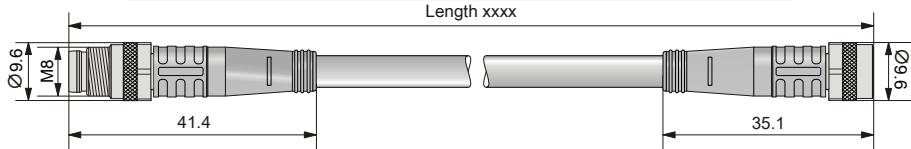
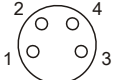

1 Technical data

| 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 | | | | | |
| mm² | 4x 0.34 mm² | | | | | |
| Cable construction | | | | | | |
| Complete shielding | Not shielded | | | | | |
| Outer sheathing | | | | | | |
| Material | Polyurethane (PUR) | | | | | |
| Color | Black | | | | | |
| 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 6 | | | | | |
| Stranding | Not stranded | | | | | |
| 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 ¹⁾ | -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/s² | | | | | |
| Flex cycles | 5 million | | | | | |
| Velocity | Max. 3.3 m/s | | | | | |

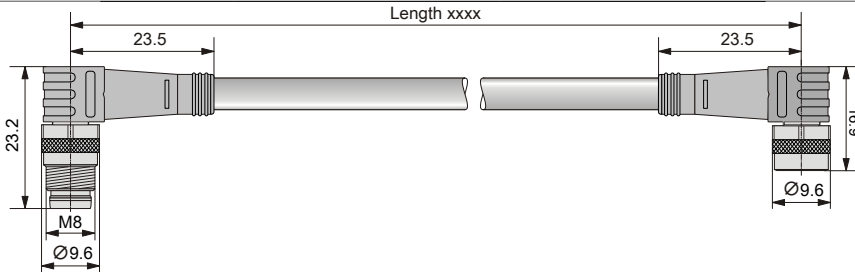


Table 1: X67CA0Pxx - Technical data

1) In cable drag chain operation.

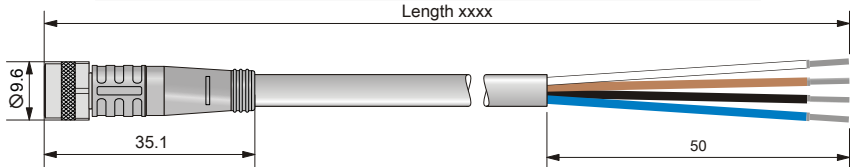

2 X67CA0P00.xxxx

| Dimensions | | | | |
|--|-----|--------|-------------|---|
|  | | | | |
| 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 | | | | |
|--|-----|--------|-------------|--|
|  | | | | |
| 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 | |


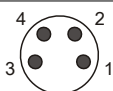
4 X67CA0P20.xxxx

| Dimensions | | | | |
|--|-----|--------|-------------|-------------------|
|  | | | | |
| 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.

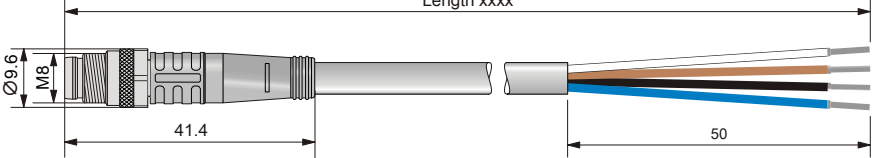
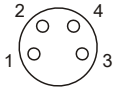
5 X67CA0P30.xxxx

| 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.

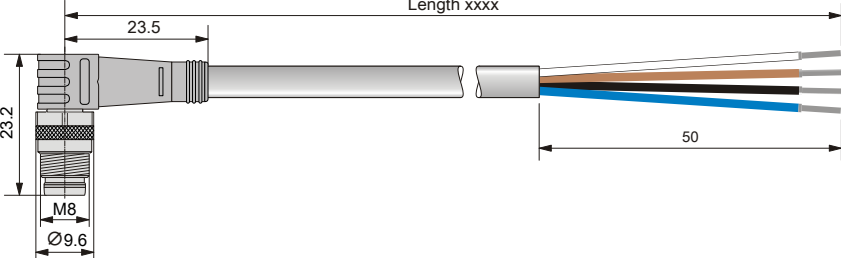
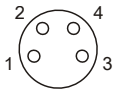
6 X67CA0P40.xxxx

| 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.