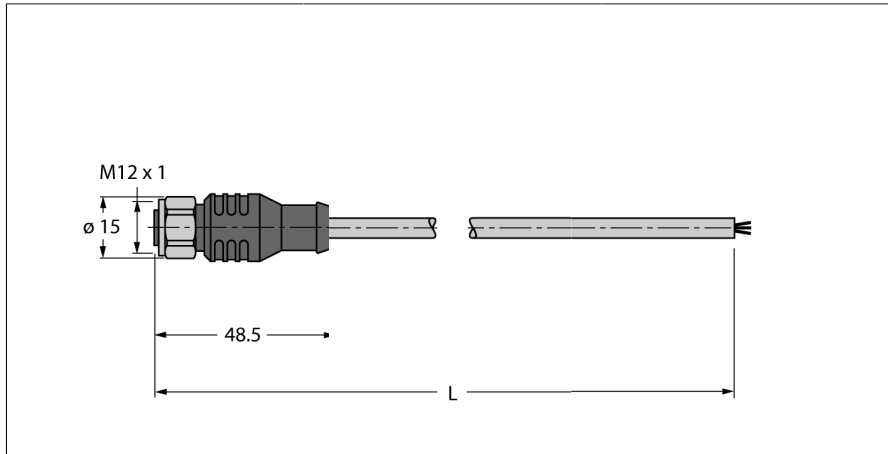
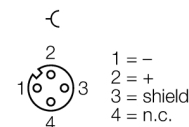
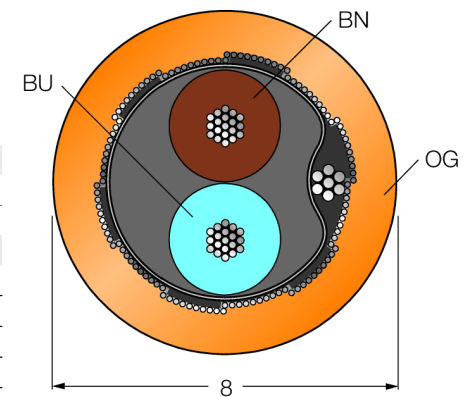


# Fieldbus cable for fieldbus systems according to IEC61158-2, 4-pole RKCV-FBY49OG-10M/5D



- Fieldbus cable, type A, acc.to IEC 61158-2
- PVC jacket, orange
- Oil, gas and sunlight resistant
- Temperature range -40...+75 °C
- Cable cross section: 18/7 AWG (0.8 mm<sup>2</sup>)
- Open end
- M12 x 1 female, straight, stainless steel
- Cable length 10 m

## Cable Cross-section



|                                          |                                                                                                         |
|------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Type                                     | RKCV-FBY49OG-10M/5D                                                                                     |
| ID                                       | 8900476                                                                                                 |
| Connector A                              | Female, M12 × 1, Straight                                                                               |
| Number of pins                           | 4                                                                                                       |
| Contacts                                 | Metal, CuZn, Gold-plated                                                                                |
| Contact carriers                         | Plastic, TPU, Black                                                                                     |
| Connector body                           | Plastic, PUR, Black                                                                                     |
| Protection class                         | IP67, Only in screwed condition                                                                         |
| Cable diameter                           | Ø 8mm -0.30                                                                                             |
| Cable length                             | 10 m                                                                                                    |
| Cable jacket                             | PVC, Orange                                                                                             |
| Shielding                                | Plastic-covered aluminum foil, metal side outside, makes contact with drain wire and tinned copper wire |
| Bending radius (stationary installation) | ≥ 5 x Ø                                                                                                 |
| Core insulation                          | PE foam with PE jacket                                                                                  |
| Core colors                              | BN, BU                                                                                                  |
| Core cross-section                       | 2 x 0.8                                                                                                 |
| DC resistance (loop)                     | 43.6 Ω/km                                                                                               |
| Shield resistance                        | Nom. 9 Ω/km                                                                                             |
| Nom. impedance                           | 100 ± 20 Ω (31.25 kBit/s)                                                                               |
| Working capacitance                      | Nom. 60 nF/km                                                                                           |
| Capacitive earthing                      | max. 2 nF/km                                                                                            |
| Damping                                  | max. 3.0 dB/km (with f = 39 kHz)                                                                        |
| Skew                                     | max. 1.7 µs/km (7.9 kHz - -39 kHz)                                                                      |
| Nom. Inductance                          | 0.7 mH/km                                                                                               |
| Voltage                                  | 300 V                                                                                                   |
| Ambient temperature (fixed)              | -40...+75°C                                                                                             |
| Ambient temperature (mobile)             | -5...+50°C                                                                                              |
| UV resistance                            | Acc. to UL 1581, section 1200                                                                           |
| Oil-resistant                            | according to ICEA S82-552                                                                               |
| Flame-retardant                          | according to IEC 60332-3                                                                                |