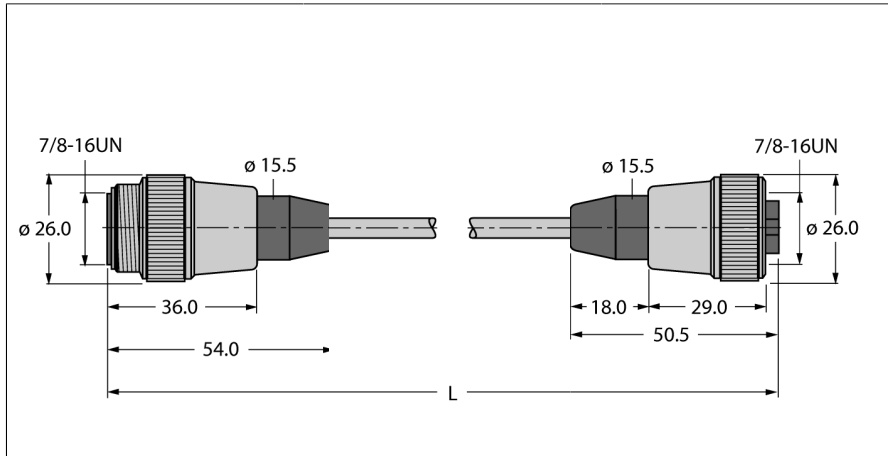
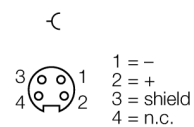
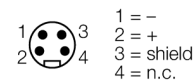
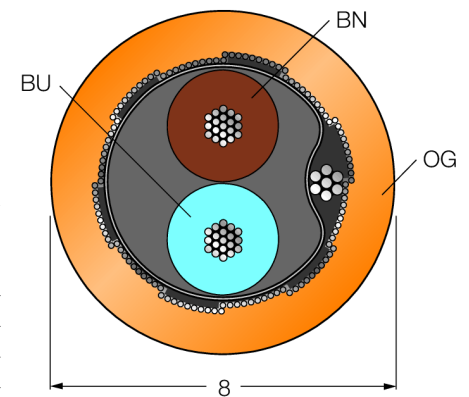


# Fieldbus cable for fieldbus systems according to IEC61158-2, 4-pole RSV-RKV-FBY49OG-100M/5D



- 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>)
- 7/8" female, straight, stainless steel
- 7/8" male, straight, stainless steel
- Cable length: 100 m

## Cable Cross-section



|                                          |                                                                                                         |
|------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Type                                     | RSV-RKV-FBY49OG-100M/5D                                                                                 |
| ID                                       | 8900720                                                                                                 |
| Connector A                              | Male, 7/8"-16 UN, 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                                                                         |
| Connector B                              | Female, 7/8"-16 UN, Straight                                                                            |
| Number of Pins                           | 4                                                                                                       |
| Contacts                                 | Metal, CuZn, Gold-plated                                                                                |
| Contact carriers                         | Plastic, TPU, Black                                                                                     |
| Connector body                           | Plastic, PUR, Black                                                                                     |
| Coupling nut/retaining screw             | Stainless Steel, 1.4404                                                                                 |
| Protection class                         | IP67, Only when screwed together                                                                        |
| Cable diameter                           | Ø 8mm -0.30                                                                                             |
| Cable length                             | 100 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      |