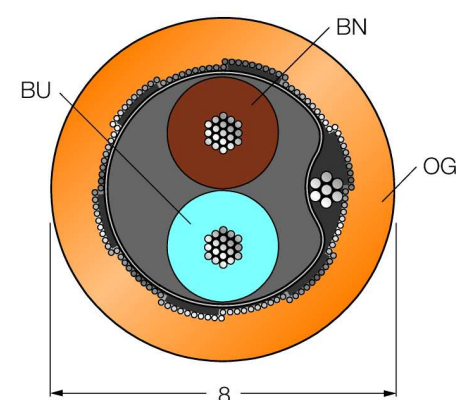


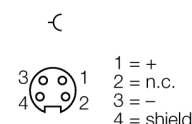
# Fieldbus cables for fieldbus systems according to IEC61158-2, 4-pole RKV-RKV-FBY48OG-15M/5D

- 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" female, straight, stainless steel
- Cable length 15 m

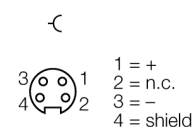
## Conductor cross-section



## pin configuration left



## Pin assignment right



|                             |                                                                    |
|-----------------------------|--------------------------------------------------------------------|
| <b>Type code</b>            | RKV-RKV-FBY48OG-15M/5D                                             |
| <b>Ident no.</b>            | 8900590                                                            |
| <b>Connector A side</b>     | female connector, 7/8", straight                                   |
| Number of pins              | 4                                                                  |
| Contacts                    | metal, CuZn, gold-plated                                           |
| Contact carriers            | plastic, TPU, black                                                |
| Grip                        | plastic, PUR, black                                                |
| Coupling nut/screw          | 1.4404                                                             |
| Protection class            | IP67                                                               |
| <b>Connector B side</b>     | female connector, 7/8", straight                                   |
| Number of pins              | 4                                                                  |
| Contacts                    | metal, CuZn, gold-plated                                           |
| Contact carriers            | plastic, TPU, black                                                |
| Grip                        | plastic, PUR, black                                                |
| Coupling nut/screw          | stainless steel, 1.4404                                            |
| Protection class            | IP67                                                               |
| <b>Cable diameter</b>       | 7.8mm                                                              |
| Cable length                | 15m                                                                |
| Cable sheath                | PVC, orange                                                        |
| Shield                      | aluminium foil, tinned copper braid and stranded filler drain wire |
| Max. tensile strength       | ≤ 90 N                                                             |
| Core insulation             | PE-foam with PE-casing                                             |
| Core colors                 | BN, BU                                                             |
| Core cross-section          | 2x0.8mm <sup>2</sup>                                               |
| DC resistance (loop)        | 43.6 Ω /km                                                         |
| Nom. Impedance              | 100 ± 20 (31.25 kBit/s) Ω                                          |
| <b>Rated voltage [Umax]</b> | 300 V                                                              |
| Ambient temperature at rest | -40 ... 75°C                                                       |
| In moving state             | -5 ... 50°C                                                        |
| UV resistance               | gem. UL 1581, section 1200                                         |
| resistance to oil           | according to ICEA S82-552                                          |
| flame-retardant             | according to IEC 60332-1                                           |