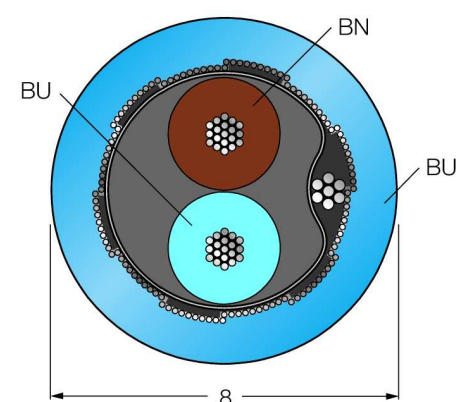


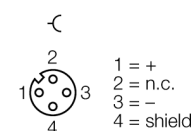
# Fieldbus cables for fieldbus systems according to IEC61158-2, 4-pole RKCV-FBY48BU-20M/5D

- Fieldbus cable, type A, acc.to IEC 61158-2
- PVC jacket, blue
- 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 20 m

## Conductor cross-section



## pin configuration left



|                                        |                                                                    |
|----------------------------------------|--------------------------------------------------------------------|
| <b>Type code</b>                       | RKCV-FBY48BU-20M/5D                                                |
| <b>Ident no.</b>                       | 8900448                                                            |
| <b>Connector A side</b>                | female connector, M12 x 1, 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>Cable diameter</b>                  | 7.8mm                                                              |
| Cable length                           | 20m                                                                |
| Cable sheath                           | PVC, blue                                                          |
| 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 [U<sub>max</sub>]</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                                           |