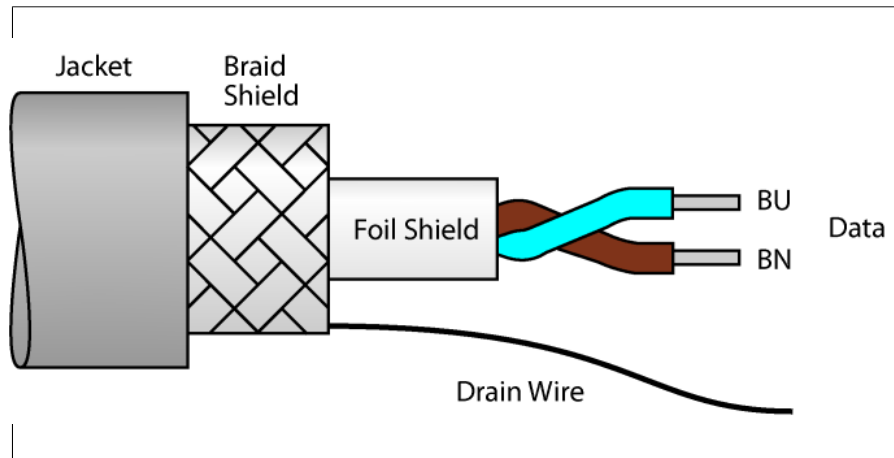
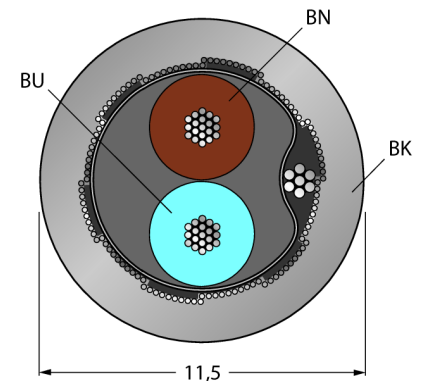


Fieldbus cables for fieldbus systems
According to IEC61158-2
CABLE FBY-BK/LD-100M



- Long-distance fieldbus cable, type A, acc. to IEC 61158-2
- PVC outer jacket, black
- Resistant to oil, gas and sunlight
- Temperature range -40...+75 °C
- Cable cross section: 14/7AWG (2.1 mm²)
- Cable length: 100 m

Cable Cross-section



| | |
|-------------------------|---|
| Type designation | CABLE FBY-BK/LD-100M |
| Ident no. | 6611320 |
| Cable | 14/7 AWG (2.1 mm ²), stranded plain copper, 8 |
| Cable length | 100 |
| Cable jacket | PVC, Black |
| Shielding | Plastic-covered aluminum foil, metal side outside, makes contact with drain wire and tinned copper wire |
| Conductor insulation | PE-foam with PE-casing |
| Conductor colors | BN, BU |
| Core cross-section | 2x2.1 |
| DC resistance (loop) | 17.2 Ω/km |
| Shield resistance | Nom. 6 Ω /km |
| Nom. impedance | 100 ± 20 (31.25 kBit/s) Ω |
| 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 |
| Rated voltage | 300 V |
| Ambient temperature | |
| Stationary | -40...+75 °C |
| In motion | -5...+50 °C |
| Approvals | UL |
| UV resistance | gem. UL 1581, section 1200 |
| Oil-resistant | according to ICEA S82-552 |
| Flame-retardant | according to IEC 60332-3 |