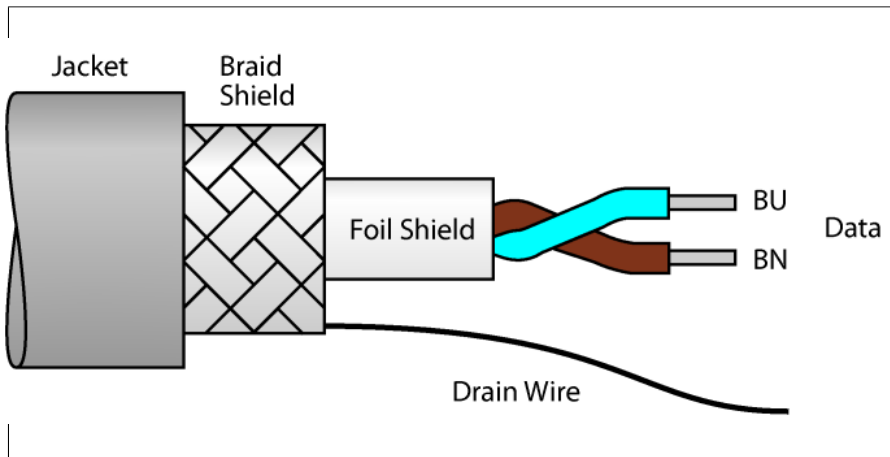


Fieldbus cables for fieldbus systems

According to IEC61158-2

CABLE FBY-OG/SD-1000M



- Fieldbus cable, type A, acc.to IEC 61158-2
- PVC outer jacket, orange
- Resistant to oil, gas and sunlight
- For use in areas exposed to explosion hazards classified as zone 1 and zone 2, group II, acc. to IEC 60079-14
- For indoor and outdoor installation, on racks, on trays and in conduits
- Temperature range -40...+75 °C
- Cable cross section: 18/7 AWG (0.8 mm²)
- Cable length: 1000 m

| | |
|--|---|
| Type | CABLE FBY-OG/SD-1000M |
| ID | 6611104 |
| Cable diameter | Ø 8 mm |
| Cable length | 1000 m |
| Cable jacket | PVC, Orange |
| Shielding | Plastic-covered aluminum foil, metal side outside, makes contact with drain wire and tinned copper wire |
| 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 range (stationary) | -40...+75°C |
| Ambient temperature range (In motion) | -5...+50°C |
| Approvals | UL |
| UV resistance | Acc. to UL 1581, section 1200 |
| Oil-resistant | according to ICEA S82-552 |
| Flame-retardant | according to IEC 60332-3 |