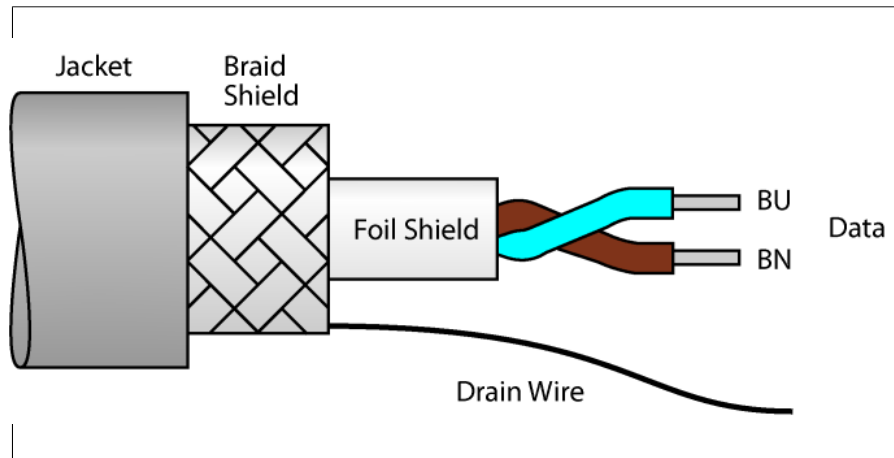
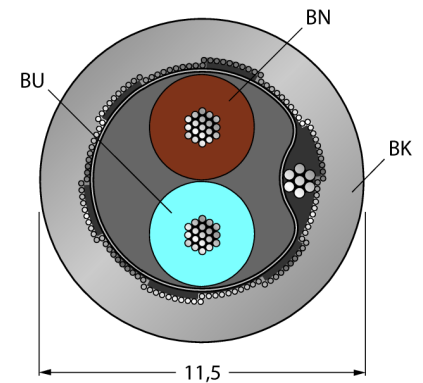


Fieldbus cables for fieldbus systems
According to IEC61158-2
CABLE FBY-BK/LD-100M



- Long-distance fieldbus cable, type A, acc.IEC 61158-2
- PVC jacket, black
- Oil, gas and sunlight resistant
- 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 m
Cable jacket	PVC, Black
Shielding	Plastic-covered aluminum foil, metal side outside, makes contact with drain wire and tinned copper wire
Core insulation	PE-foam with PE-casing
Core colors	BN, BU
Core cross-section	2x2.1 mm ²
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 skew	max. 3.0 dB/km (with f = 39 kHz)
Nom. Inductance	max. 1.7 μs/km (7.9 kHz -39 kHz)
	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