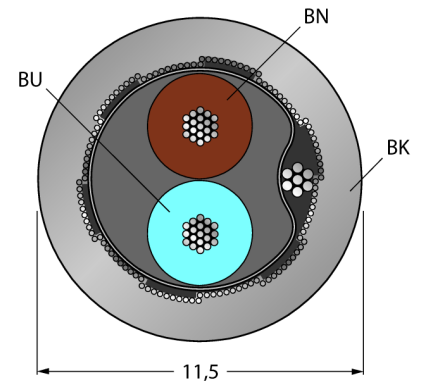
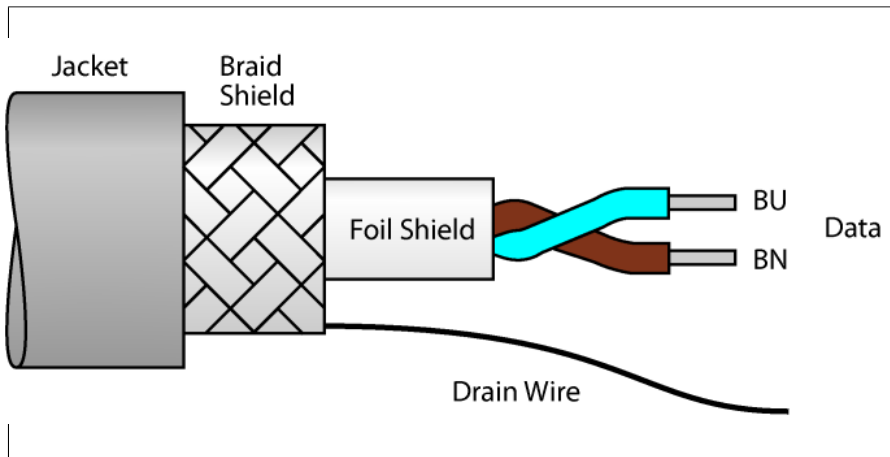


# Fieldbus cables for fieldbus systems

## According to IEC61158-2

### CABLE FBY-BK/LD-100M



Type	CABLE FBY-BK/LD-100M
ID	6611320
Cable diameter	Ø 8 mm
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 jacket
Core colors	BN, BU
Core cross-section	2 x 2.1
DC resistance (loop)	17.2 Ω/km
Shield resistance	Nom. 6 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

- 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 mm<sup>2</sup>)
- Cable length: 100 m