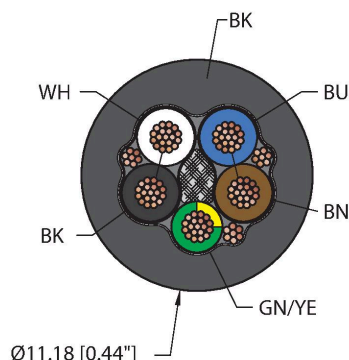


BLK,EX60,2STPDX18+1X18,TCERHL,FF Fieldbus Technology Cable – Foundation Fieldbus



Features



- Black EX60 Jacket
- TC 600V, 1309 MSB 600V, ITC 150V, PLTC 300V, CIC/TC 600V
- Shielded Twisted Pair
- Extremelife™ Cable
- fieldbus type: FOUNDATION™ fieldbus, Black EX60 jacket, shielded, 2SPX18+1X18 AWG
- Sunlight Resistant
- -60 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, IEEE 1202 FT4, CSA FT1, CSA FT4, IEC 60332-3-22
- TC 600V
- 1309 MSB 600V
- ITC 150V
- PLTC 300V
- CIC/TC 600V

Technical data

Type	BLK,EX60,2STPDX18+1X18,TCERHL,FF
ID	RF52176
Cable data	
Cable Platform	Fieldbus Technology Cable
Fieldbus	FOUNDATION fieldbus
Total number of conductors	5
Cable diameter	Ø 10.39 mm
Cable jacket	EX60, Black
Shielding	Drain Foil, 20 AWG, TC (Tinned Copper)
Conductor diameter	0.106 "
Conductor material	TC (tinned copper)
Conductor insulation material	XLPE
Conductor size	5 x 18 AWG [Similar to 0.75 mm²]
Number of strands x O.D.	19 x 0.0092 "
Conductor colors	BU, BN, GN/YE, BK, WH
Description of assembly	STPD (Shielded Twisted Pair, Drain)
Number of pairs	2
Conductor diameter	0.106 "
Conductor insulation material	XLPE
Assembly drain	20 AWG, TC (Tinned Copper)
Assembly foil	Aluminum/polyester (IN)
Cable conductor cross-section	2x18 AWG [Similar to 0.75 mm²]
Number of strands x O.D.	19x0.0092 "

Technical data

Weight	0.384 lbs. /meter
Electrical properties at +20 °C	
Voltage	TC 600V 1309 MSB 600V ITC 150V PLTC 300V CIC/TC 600V
Dielectric withstand (min.)	2 KVAC
DC resistance (max)	7.22 Ω /1000ft max.
Nom. Inductance	0.22 μ H/ft nom.
Nom. Capacitance	20 pF/ft nom. @ 31.25 kHz
Nom. Impedance	100 Ω $\pm$ 10% @ 31.25 kHz
Mechanical and chemical properties	
Bending radius (static)	$\geq 5 \times \varnothing$
Bending radius (dynamic)	$\geq 15 \times \varnothing$
UL cold bend rating	-60 °C
Ambient temperature range (static)	-60...+105 °C
Ambient temperature range (dynamic)	-40...+105 °C
Temperature range (installation)	-20...+105 °C
Approval	
UL Approvals	UL 1309 Marine Shipboard UL 1277 TC UL 2250 ITC UL 13 PLTC Exposed Run Direct Burial Sunlight Resistant -60C Cold Bend -40C Cold Impact Oil Res I Oil Res II
CSA Approvals	CSA C22.2 No.239 CIC & CSA C22.2 No.230 TC CSA FT1 CSA FT4 Sunlight Resistant -40C Cold Impact
Additional Approvals	IEEE 1202/FT4 IEEE 1580-2010
Compliances	RoHS CE IEC 60332-3-22
Marine Shipboard Approvals and Compliances	ABS
Note	

- Flex ratings may be reduced if used in extreme temperatures, exposure to

Technical data

certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.

- We reserve the right to make technical alterations without prior notice.