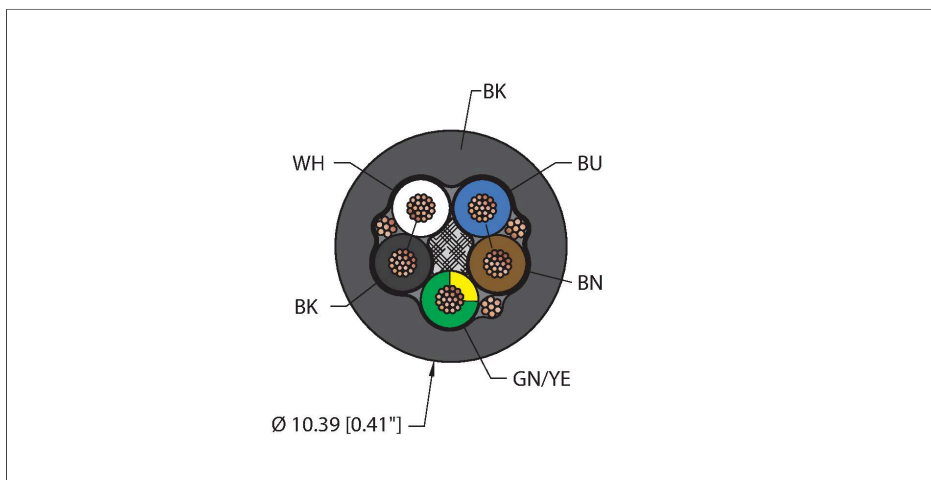


# BLK,PVC,2STPDX18+1X18,ITCERDB,MS40,FF Fieldbus Technology Cable – Reelfast™ Bulk Cable



## Features



- Shielded Twisted Pair
- Fieldbus Technology Cable
- fieldbus type: FOUNDATION™ fieldbus, Black PVC jacket, shielded, 2STPDX18+1X18 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, IEEE 1202 FT4, CSA FT1, CSA FT4, IEC 60332-3-22
- ITC 150V
- PLTC 300V
- 1309 MSB 600V
- CIC/TC 600V

## Technical data

Type	BLK,PVC,2STPDX18+1X18,ITCERDB,MS40,FF
ID	RF51182
<b>Cable data</b>	
Cable Platform	Fieldbus Technology Cable
Fieldbus	FOUNDATION fieldbus
Total number of conductors	5
Cable diameter	Ø 10.39 mm
Cable jacket	PVC, Black
Shielding	Foil (IN), 20 AWG, TC (Tinned Copper)
Conductor diameter	0.106 "
Conductor material	TC (tinned copper)
Conductor insulation material	XLPE
Conductor size	1 x 18 AWG [Similar to 0.75 mm <sup>2</sup> ]
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	Foil (IN)
Cable conductor cross-section	2x18 AWG [Similar to 0.75 mm <sup>2</sup> ]
Number of strands x O.D.	19x0.0092 "
Weight	0.359 lbs. /meter

## Technical data

Electrical properties at +20 °C	
Voltage	ITC 150V PLTC 300V 1309 MSB 600V CIC/TC 600V
Dielectric withstand (min.)	2 KVAC
DC resistance (max)	7.06 Ω/1000ft max.
Nom. Inductance	0.22 µH/ft nom.
Nom. Capacitance	20 pF/ft nom. @ 31.25 kHz
Mechanical and chemical properties	
Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 15 x Ø
UL cold bend rating	-40 °C
Ambient temperature range (static)	-40...+105 °C
Ambient temperature range (dynamic)	-40...+105 °C
Temperature range (installation)	-20...+105 °C
Approval	
UL Approvals	UL 1309 Marine Shipboard UL 2250 ITC UL 13 PLTC Exposed Run Direct Burial Sunlight Resistant -40C Cold Bend Oil Res I
CSA Approvals	CSA C22.2 No.245 Marine Shipboard CSA C22.2 No.239 CIC & CSA C22.2 No.230 TC CSA FT1 CSA FT4 Sunlight Resistant
Additional Approvals	IEEE 1202/FT4 IEEE 1580-2010
Compliances	RoHS 2 CE IEC 60332-3-22
Marine Shipboard Approvals and Compliances	ABS
Note	
	- Flex ratings may be reduced if used in extreme temperatures, exposure to 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.