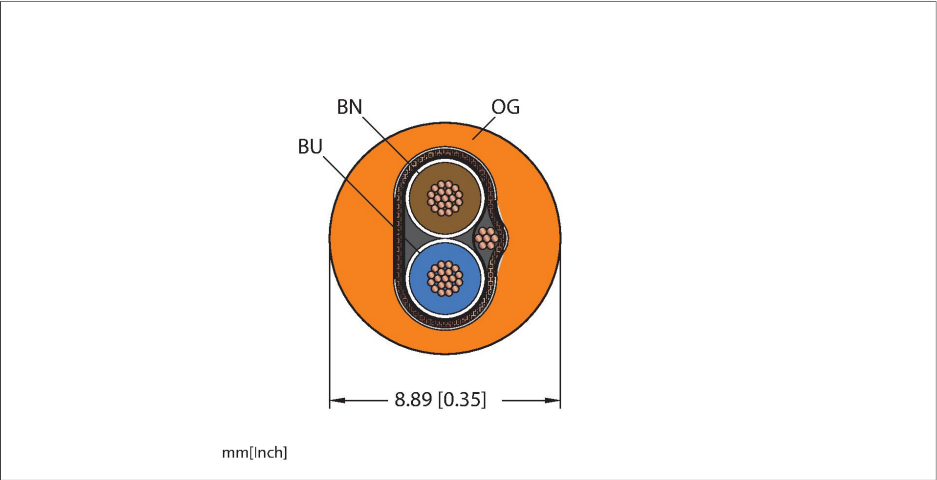


ORA,PVC,2X18,S-FDB,ITCERDB,MS40,FF
Fieldbus Technology Cable – Reelfast™ Bulk Cable



Features



- Fieldbus Technology Cable
- fieldbus type: FOUNDATION™ fieldbus, Orange PVC jacket, shielded, 2X18 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	ORA,PVC,2X18,S-FDB,ITCERDB,MS40,FF
ID	RF50785
Cable data	
Cable Platform	Fieldbus Technology Cable
Fieldbus	FOUNDATION fieldbus, 493O/483
Total number of conductors	2
Cable diameter	Ø 8.89 mm
Cable jacket	PVC, Orange
Shielding	Aluminum/polyester (OUT), 38 AWG, TC (Tinned Copper), 88-94% coverage, 20 AWG, TC (Tinned Copper)
Conductor diameter	0.106 "
Conductor material	TC (tinned copper)
Conductor insulation material	XLPE
Conductor size	2 x 18 AWG [Similar to 0.75 mm²]
Number of strands x O.D.	19 x 0.0092 "
Conductor colors	BN, BU
Weight	0.219 lbs. /meter
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.

ORA,PVC,2X18,S-FDB,ITCERDB,MS40,FF 04/16/2025 16-11 | technical changes reserved

Technical data

Nom. Inductance	0.22 µH/ft nom.
Nom. Capacitance	20 pF/ft nom. @ 31.25 kHz
Nom. Impedance	100 Ω ± 20% @ 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 IEC 60092-359 CE
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.	