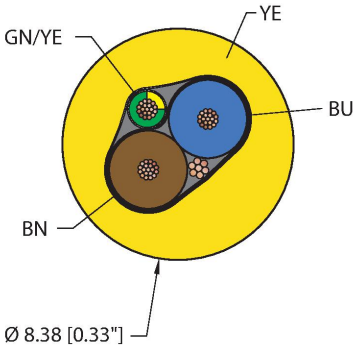


YEL,PVC,1STPDX18+1X18,ITCERDB,MS40,FF
Fieldbus Technology Cable – Reelfast™ Bulk Cable

Features



- Shielded Twisted Pair
- Fieldbus Technology Cable
- fieldbus type: FOUNDATION™ fieldbus, Yellow PVC jacket, 1SPDX18+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	YEL,PVC,1STPDX18+1X18,ITCERDB,MS40,FF
ID	RF50693
Cable data	
Cable Platform	Fieldbus Technology Cable
Fieldbus	FOUNDATION fieldbus, 490
Total number of conductors	3
Cable diameter	Ø 8.38 mm
Cable jacket	PVC, Yellow
Conductor diameter	0.086 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC/Nylon (Nylon overcoat)
Conductor size	1 x 18 AWG [Similar to 0.75 mm²]
Number of strands x O.D.	19 x 0.0092 "
Conductor colors	BU, BN, GN/YE
Sub assembly 1	
Description of assembly	STPD (Shielded Twisted Pair, Drain)
Number of pairs	1
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 "
Weight	0.217 lbs. /meter

YEL,PVC,1STPDX18+1X18,ITCERDB,MS40,FF 04/16/2025 16-09 | technical changes reserved

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 nom.
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	-40 °C
Ambient temperature range (static)	-40...+105 °C
Ambient temperature range (dynamic)	5...+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.239 CIC
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.