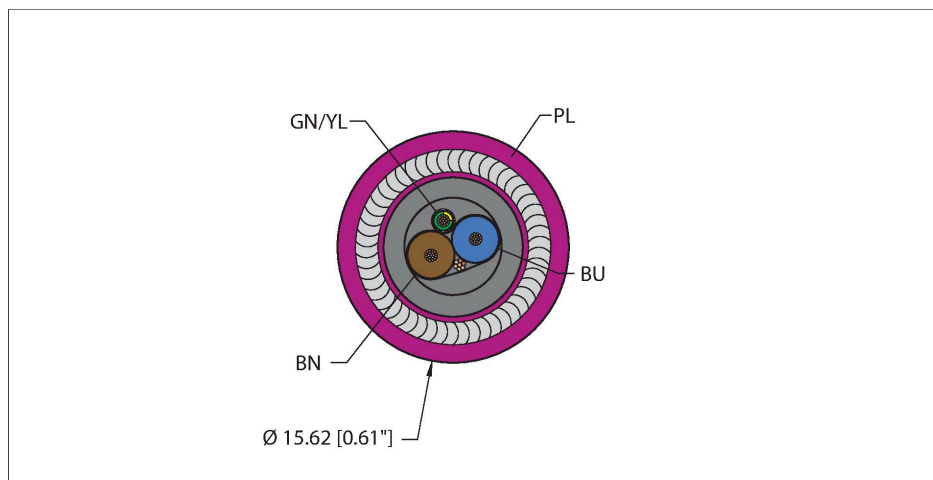


PLU,PVC,1STPDX18+1X18,IAA,ITCERDB,FF Fieldbus Technology Cable – Reelfast™ Bulk Cable



Features



- Shielded Twisted Pair
- Interlocked Aluminum Armor
- ITC 150V
- PLTC 300V
- ACIC 300V
- Fieldbus Technology Cable
- fieldbus type: FOUNDATION™ fieldbus, Plum PVC jacket, cable armor: IAA, 1STPDX18+1X18 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, CSA FT1, CSA FT4, IEC 60332-3-22

Technical data

Type	PLU,PVC,1STPDX18+1X18,IAA,ITCERDB,FF
ID no.	RF50947
Cable data	
Cable Platform	Fieldbus Technology Cable
Fieldbus	FOUNDATION fieldbus
Total number of conductors	3
Cable diameter	Ø 15.62 mm
Cable jacket	PVC, Plum
Armor	IAA
Diameter	12.7
Inner jacket	PVC,Black
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/YL
Description of assembly	STPD (Shielded Twisted Pair, Drain)
Number of assemblies	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]

Technical data

Number of strands x O.D.	19x0.0092 "
Weight	0.613 lbs. /meter
Electrical properties at +20 °C	
Voltage	ITC 150V PLTC 300V ACIC 300V
Dielectric withstand (min.)	2 KVAC
DC resistance (max)	7.06 Ω/1000ft nom.
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)	≥ 14 x Ø
Cold bend rating	-40 °C
	(Armor diameter)
Ambient temperature range (static)	-40 °C...+105 °C
Ambient temperature range (dynamic)	-40 °C...+105 °C
Temperature range (installation)	-20 °C...+105 °C
Approval	
UL Approvals	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 ACIC Hazardous Location-ABCD CSA FT1 CSA FT4 Sunlight Resistant
Compliances	RoHS CE
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.