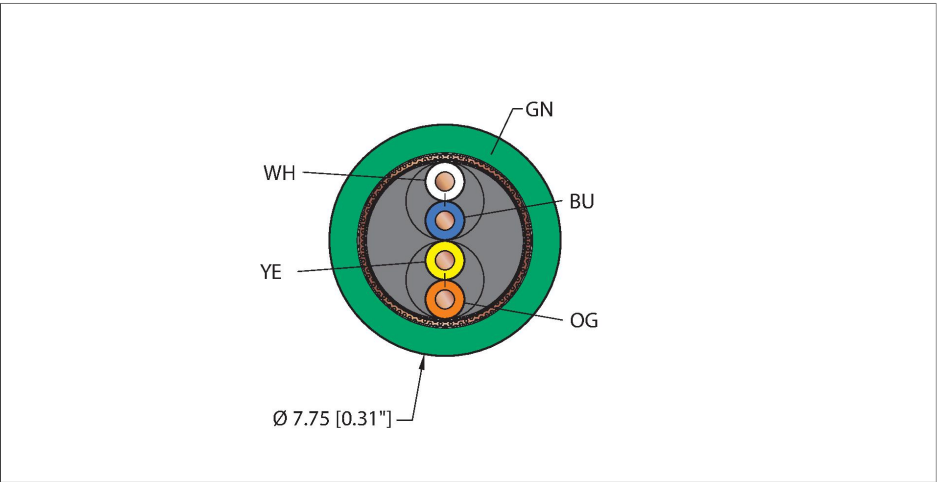


GRN,TPE,2UTPX22,S-BF,ITC,PN,CAT5E,SLD
Industrial Ethernet Cable – Reelfast™ Bulk Cable



Features

- Unshielded Twisted Pair
- Industrial Ethernet Cable
- fieldbus type: PROFINET, Green TPE jacket, shielded, 2UTPX22 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL1685, FT1
- ITC 150V
- PLTC 300V
- UL AWM 600V

Technische Daten

Type	GRN,TPE,2UTPX22,S-BF,ITC,PN,CAT5E,SLD
ID	RF51604
Cable data	
Cable Platform	Industrial Ethernet Cable
Fieldbus	PROFINET, 421
Total number of conductors	4
Cable diameter	Ø 7.75 mm
Cable jacket	TPE, Green
Shielding	Aluminum/polyester (OUT), 38 AWG, TC (Tinned Copper), 75% coverage
Conductor material	TC (tinned copper)
Conductor colors	WH, BU, YE, OG
Description of assembly	UTP (Unshielded Twisted Pair)
Number of pairs	2
Conductor diameter	0.054 "
Conductor insulation material	HDPE
Cable conductor cross-section	2x22 AWG [Similar to 0.34 mm²]
Number of strands x O.D.	1x22 AWG
Weight	0.161 lbs. /meter
Electrical properties at +20 °C	
Voltage	ITC 150V PLTC 300V UL AWM 600V
Dielectric strength	2000 V RMS

GRN,TPE,2UTPX22,S-BF,ITC,PN,CAT5E,SLD 22-02-2025 02-06 | Technische Änderungen vorbehalten

Technische Daten

Mutual capacitance	1kHz 5.6 nF/100m
Rated voltage	600 V
DC resistance	17.2 Ω /1000ft
DC resistance imbalance	5 %
Coupler loss	IEC 61165-5 TYPE 1
Transmission impedance of the surface	IEC 61165-5 GRADE 2
Cable test information	Starting at the reel, the following items are checked. (100-m cable)
Capactance pair to ground	MAX 1kHz 330 pF/100m
Return loss 1	$1 \leq f < 10$ MHz 20 + 6 LOG(f) dB min.
Return loss 2	$10 \leq f < 20$ MHz 26 dB min.
Return loss 3	$20 \leq f \leq 100$ MHz 26 - 7 LOG(f/20) dB min.
Insertion loss	$1 \leq f \leq 100$ MHz $1.967 \sqrt{f} + 0.023(f) + 0.050/\sqrt{f}$ dB max.
Close-range cross talk	$1 \leq f \leq 100$ MHz 35.3 - 15 LOG(f/100) dB min
Ratio of loss — Long-range cross talk	$1 \leq f \leq 100$ MHz 23.8 - 20 LOG(f/100) dB min.
Runtime delay	$1 \leq f \leq 100$ MHz 534 + 36/ $\sqrt{f}$ ns max
Runtime delay offset	$1 \leq f \leq 100$ MHz <20ns
Mechanical and chemical properties	
Bending radius (static)	$\geq 4 \times \varnothing$
UL cold bend rating	-40 °C
Ambient temperature range (static)	-40...+80 °C
Ambient temperature range (dynamic)	-40...+80 °C
Temperature range (installation)	-20...+80 °C
Approval	
UL Approvals	UL 2250 ITC UL 13 PLTC Sunlight Resistant Oil Res I Oil Res II UL 758 AWM 2463
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.

Technische Daten

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