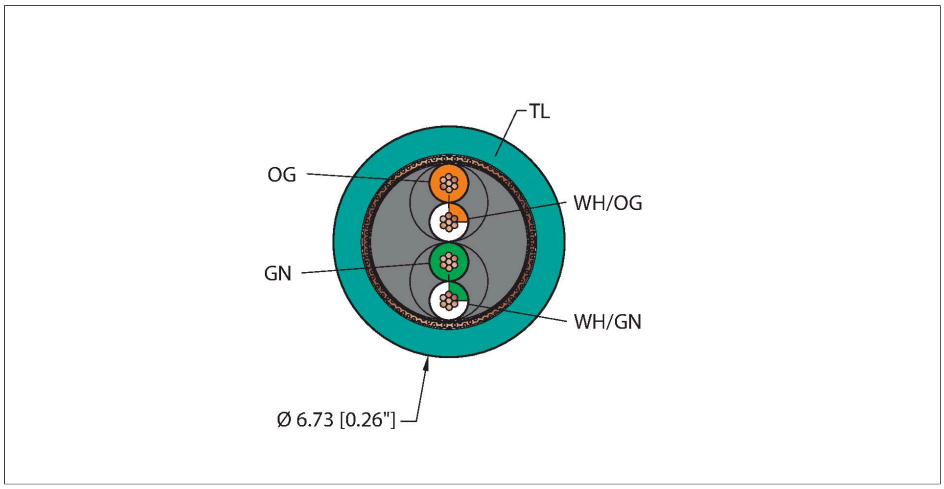
TEA,TPE,2UTPX24,S-BF,FL,CM,EN,CAT5E,SND
Industrial Ethernet Cable – Reelfast™ Bulk Cable



Features

- Unshielded Twisted Pair
- UL AWM 600V
- UL/CSA CMX OUTDOOR 300V
- CM 300V
- Industrial Ethernet Cable
- fieldbus type: Ethernet CAT5E, Teal TPE jacket, shielded, 2UTPX24 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL 1685, UL1061
- Flexlife®
- Flexlife®

Technical data

Type	TEA,TPE,2UTPX24,S-BF,FL,CM,EN,CAT5E,SND
Ident. no.	RF51211
Cable	
Cable platform	Industrial Ethernet cable
Cable	Ethernet CAT5E, 441
	4
Cable diameter	Ø 6.73 mm
Cable jacket	TPE, Teal
Shielding	Aluminum/polyester (OUT)
Braid material	38 AWG, TC (tinned copper), 75% covered
Conductor material	?
Core colors	OG, WH/OG, GN, WH/GN
Description of assembly	UTP (unshielded twisted pair)
Number of assemblies	2
Conductor diameter	0.048 "
Core insulation	HDPE
Core cross-section	2x24 AWG [Similar to 0.25 mm²]
braid arrangement	7x32 AWG
Weight	0.093 lbs. /meter
Electrical properties at +20 °C	
Voltage	UL AWM 600V UL/CSA CMX OUTDOOR 300V CM 300V
Dielectric withstand	2000
	1kHz 5.6 nF/100m
Voltage rating	600
	26.5 Ω/1000ft
DC resistance unbalanced	5 %

Technical data

Coupling attenuation	30 ≤ f ≤ 100 MHz 55-20 LOG (f/100) dB MIN, 55 dB min
Surface transfer impedance	1 ≤ f ≤ 100 MHz 10 f mΩ/m
Cable testing note	100
	1kHz 330 pF/100m
Return loss1	1 ≤ f < 10 MHz 20 + 5 LOG(f) dB min.
Return loss2	10 ≤ f < 20 MHz 25 dB min.
Return loss3	20 ≤ f ≤ 100 MHz 25 - 7 LOG(f/20) dB min.
Insurtion loss	1 ≤ f ≤ 100 MHz 1.2[1.967 √f +0.023(f) +0.050/√f] dB max.
Near End Cross Talk	1 ≤ f ≤ 100 MHz 35.3 - 15 LOG(f/100) dB min
Attenuation to Crosstalk Ratio Far	1 ≤ f ≤ 100 MHz 23.8 - 20 LOG(f/100) dB min.
Propagation delay	1 ≤ f ≤ 100 MHz 534 + 36/√f ns max
Propagation delay skew	1 ≤ f ≤ 100 MHz <25ns
Mechanical and chemical properties	
Bending radius (stationary installation)	≥ 4 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Torsion cycles	3 million
Cold flexural strength	-40 °C
Bending cycles 10 x Ø	1 million *
Bending cycles 20 x Ø	10 million *
Stationary	-40 °C…+80 °C
In motion	-40 °C…+80 °C
	-20 °C…+80 °C
Approval	
UL Approvals	UL 444 CMX OUTDOOR-CM UL 758 AWM 2463
CSA Approvals	UL 444 CMX OUTDOOR-CM
Cable compliances	RoHS CE
Note	
	- Flex values can be reduced when used in extreme temperatures, in contact with certain chemicals, above the nominal speed or below the nominal bending radius.
	- We reserve the right to make technical modifications without prior notice.