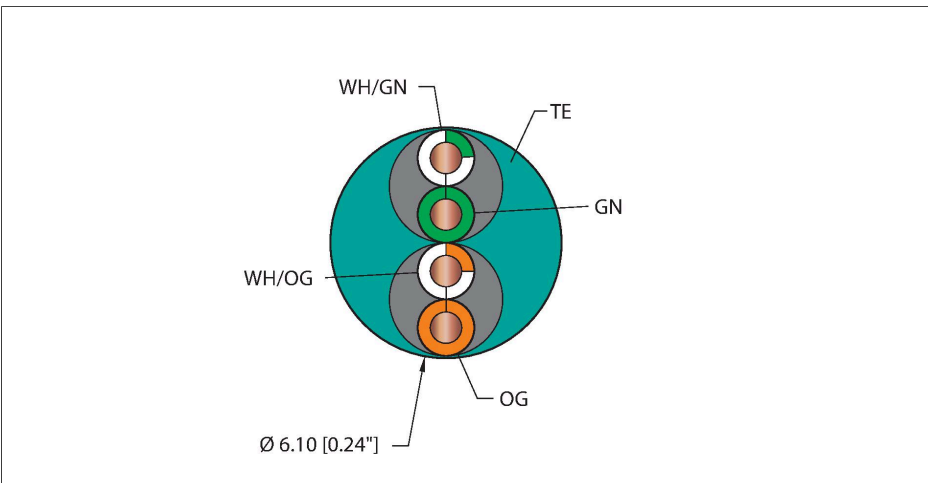


TEA,TPE,2UTPX24,CM,EN,CAT5E,SLD Industrial Ethernet Cable – Reelfast™ Bulk Cable



Features



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

Technical data

Type	TEA,TPE,2UTPX24,CM,EN,CAT5E,SLD
Ident. no.	RF51212
Cable	
Cable platform	Industrial Ethernet cable
Cable	Ethernet CAT5E, 442
	4
Cable diameter	Ø 6.1 mm
Cable jacket	TPE, Teal
Conductor material	?
Core colors	WH/GN, GN, WH/OG, OG
Description of assembly	UTP (unshielded twisted pair)
Number of assemblies	2
Conductor diameter	0.042 "
Core insulation	HDPE
Core cross-section	2x24 AWG [Similar to 0.25 mm ²]
braid arrangement	1x24 AWG
Weight	0.06 lbs. /meter
Electrical properties at +20 °C	
Voltage	UL AWM 600V UL/CSA CMX OUTDOOR 300V CM 300V
Dielectric withstand	2000
	1kHz 13.5 pF/ft
Voltage rating	600
	31.486 Ω/1000ft max
Cable testing note	100
Return loss1	1 ≤ f < 10 MHz 20 + 5 LOG(f) dB min.
Return loss2	10 ≤ f < 20 MHz 25 dB min.

Technical data

Return loss3	$20 \leq f \leq 100 \text{ MHz}$ 25 - 7 LOG(f/20) dB min.
Insurtion loss	$1 \leq f \leq 100 \text{ MHz}$ $1.967 \sqrt{f} + 0.023(f) + 0.050/\sqrt{f}$ dB max.
Near End Cross Talk	$1 \leq f \leq 100 \text{ MHz}$ 35.3 - 15 LOG(f/100) dB min
Power Sum Near-End Crosstalk	$1 \leq f \leq 100 \text{ MHz}$ 32.3 - 15 LOG(f/100) dB min.
Attenuation to Crosstalk Ratio Far	$1 \leq f \leq 100 \text{ MHz}$ 23.8 - 20 LOG(f/100) dB min.
Power Sum Attenuation to Crosstalk Ratio, Far-End	$1 \leq f \leq 100 \text{ MHz}$ 20.8 - 20 LOG(f/100) dB min.
Propagation delay	$1 \leq f \leq 100 \text{ MHz}$ $534 + 36/\sqrt{f}$ ns max
Propagation delay skew	$1 \leq f \leq 100 \text{ MHz}$ <45ns
Mechanical and chemical properties	
Bending radius (stationary installation)	$\geq 4 \times \emptyset$
Cold flexural strength	-40 °C
Stationary	-40 °C...+75 °C
In motion	-40 °C...+75 °C
	-20 °C...+75 °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.