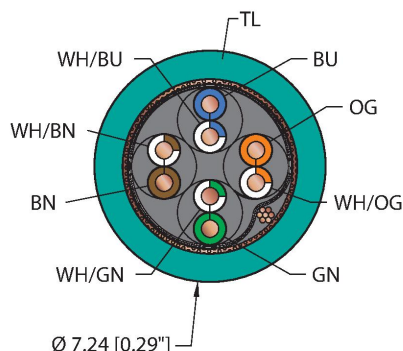


TEA,TPE,4UTPX24,S-FDB,CM,EN,CAT5E,SLD Industrial Ethernet Cable – Reelfast™ Bulk Cable



Features



- Unshielded Twisted Pair
- UL AWM 600V
- UL/CSA CMX OUTDOOR 300V
- CM 300V
- Industrial Ethernet Cable
- fieldbus type: Ethernet CAT5E, Teal TPE jacket, shielded, 4UTPX24 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL 1685, UL1061

Technical data

Type	TEA,TPE,4UTPX24,S-FDB,CM,EN,CAT5E,SLD
ID no.	RF51463
Cable data	
Cable Platform	Industrial Ethernet Cable
Fieldbus	Ethernet CAT5E, 843
Total number of conductors	8
Cable diameter	Ø 7.24 mm
Cable jacket	TPE, Teal
Shield	Aluminum/polyester (OUT)
Braid material	38 AWG, TC (Tinned Copper), 80% coverage
Cable drain	24 AWG, TC (Tinned Copper)
Conductor material	TC (tinned copper)
Conductor colors	WH/OG, OG, WH/GN, GN, WH/BN, BN, WH/BU, BU
Description of assembly	UTP (Unshielded Twisted Pair)
Number of assemblies	4
Conductor diameter	0.047 "
Conductor insulation material	HDPE
Cable conductor cross-section	2x24 AWG [Similar to 0.25 mm²]
Number of strands x O.D.	1x24 AWG
Weight	0.135 lbs. /meter
Electrical properties at +20 °C	
Voltage	UL AWM 600V

Technical data

	UL/CSA CMX OUTDOOR 300V CM 300V
Skew	0.69
Dielectric withstand	2000 V RMS
Mutual capacitance	1MHz 13.5 nF/ft
Voltage rating	600 V
DC resistance	31.486 Ω /1000ft max
Coupling attenuation	30-350 MHz, 60dB min.
Cable testing note	Starting at the reel, the following items are checked. (100-m cable)
Return loss1	$1 \leq f < 10$ MHz 20 + 5 LOG(f) dB min.
Return loss2	$10 \leq f < 20$ MHz 25 dB min.
Return loss3	$20 \leq f \leq 100$ MHz 25 - 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.
Near End Cross Talk	$1 \leq f \leq 100$ MHz 35.3 - 15 LOG(f/100) dB min
Power Sum Near-End Crosstalk	$1 \leq f \leq 100$ MHz 32.3 - 15 LOG(f/100) dB min.
Attenuation to Crosstalk Ratio Far	$1 \leq f \leq 100$ MHz 23.8 - 20 LOG(f/100) dB min.
Power Sum Attenuation to Crosstalk Ratio, Far-End	$1 \leq f \leq 100$ MHz 20.8 - 20 LOG(f/100) dB min.
Propagation delay	$1 \leq f \leq 100$ MHz $534 + 36/\sqrt{f}$ ns max
Propagation delay skew	$1 \leq f \leq 100$ MHz <45ns
Mechanical and chemical properties	
Bending radius (static)	$\geq 4 \times \varnothing$
Cold bend rating	-40 °C
Ambient temperature range (static)	-40 °C...+75 °C
Ambient temperature range (dynamic)	-40 °C...+75 °C
Temperature range (installation)	-20 °C...+75 °C
Approval	
UL Approvals	UL 444 CMX OUTDOOR-CM UL 758 AWM 2463
CSA Approvals	UL 444 CMX OUTDOOR-CM
Compliances	RoHS CE
Note	
- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the	

Technical data

rated cycle speed, or operating below the rated cable bend radius.

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