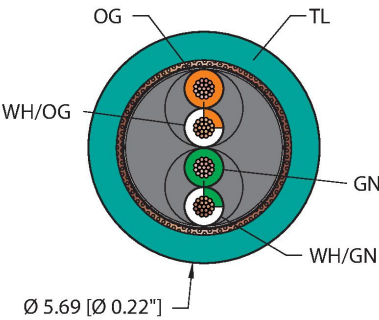


TEA,TPU,2UTPX26,S-FB,EN,HF,FL,CAT5E,SND
Industrial Ethernet Cable – Reelfast™ Bulk Cable

Features



- Unshielded Twisted Pair
- UL AWM 600V
- CM 300V
- Industrial Ethernet Cable
- TPU jacket, Teal, shielded, 2UTPX26
- AWG-40 Cold Bend Rating
- Flexlife®



Technical data

Type	TEA,TPU,2UTPX26,S-FB,EN,HF,FL,CAT5E,SND
ID no.	RF52602
Cable data	
Cable Platform	Industrial Ethernet Cable
Total number of conductors	4
Cable diameter	Ø 5.69 mm
Cable jacket	TPU, Teal
Shield	Aluminum/polyester (OUT)
Braid material	38 AWG, TC (Tinned Copper), 75% coverage
Conductor material	TC (tinned copper)
Conductor colors	OG, WH/OG, GN, WH/GN
Description of assembly	UTP (Unshielded Twisted Pair)
Number of assemblies	2
Conductor diameter	0.037 "
Conductor insulation material	HDPE
Cable conductor cross-section	2x26 AWG [Similar to 0.14 mm²]
Number of strands x O.D.	19x38 AWG
Weight	0.0787 lbs. /meter
Electrical properties at +20 °C	
Voltage	CSA AWM 600V
Dielectric withstand	1500 V RMS
Mutual capacitance	1kHz 5.6 nF/100m

TEA,TPU,2UTPX26,S-FB,EN,HF,FL,CAT5E,SND 05/20/2021 16-08 | technical changes reserved

Technical data

Voltage rating	600 V
DC resistance	44.4 Ω /1000ft
DC resistance unbalanced	5 %
Cable testing note	Starting at the reel, the following items are checked. (100-m cable)
Capactance pair to ground	MAX 1kHz 330 pF/100m
Insertion loss	$1 \leq f \leq 100$ MHz $1.5[1.967 \sqrt{f} + 0.023(f) + 0.050/\sqrt{f}]$ dB MAX
Near End Cross Talk	$1 \leq f \leq 100$ MHz 35.3 - 15 LOG(f/100) dB min
Attenuation to Crosstalk Ratio Far	$1 \leq f \leq 100$ MHz 23.8 - 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 <25ns
Mechanical and chemical properties	
Bending radius (static)	$\geq 4 \times \varnothing$
Bending radius (dynamic)	$\geq 10 \times \varnothing$
Torsion rating	5 million
Cold bend rating	-40 °C
Flex rating 10 x $\varnothing$	3 million cycles *
Flex rating 20 x $\varnothing$	10 million cycles*
	*When properly installed @ 20°C, 50%RH, and a cycle speed of ≤ 0.5 cycles per second.
Ambient temperature range (static)	-40 °C...+80 °C
Ambient temperature range (dynamic)	-40 °C...+80 °C
Temperature range (installation)	-20 °C...+80 °C
Approval	
UL Approvals	UL 444 CM
CSA Approvals	UL 444 CM
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.