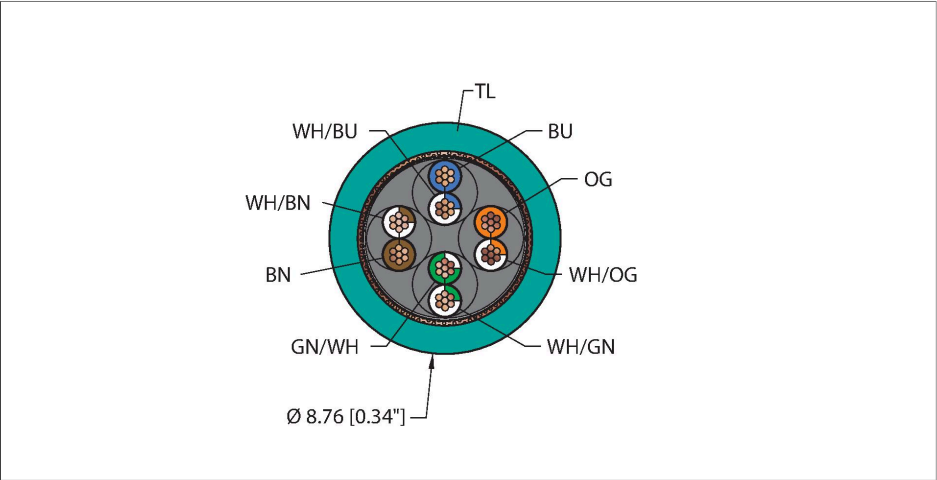


# TEA,TPE,4UTPX22,S-BF,FL,ITC,EN,CAT5E,SND Industrial Ethernet Cable – Reelfast™ Bulk Cable



### Features



- Industrial Ethernet Cable
- Teal TPE jacket, shielded, 4UTPX22 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL 1685 FT4, UL 1685, UL1061
- Flexlife®
- Flexlife®
- ITC 150V
- PLTC 300V
- UL AWM 600V
- CMX OUTDOOR 300V
- CM 300V
- POE COMPLIANT IEEE 802.3at or POEPlus (PoE+) TO 100 METERS WHEN INSTALLED PER RECOMMENDATIONS IN TIA TSB-184. CABLE WILL MEET CAT 5E CHANNEL REQUIREMENTS TO 100 METER LENGTH

### Technische Daten

Type	TEA,TPE,4UTPX22,S-BF,FL,ITC,EN,CAT5E,SND
ID	RF52113
<b>Cable data</b>	
Cable Platform	Industrial Ethernet Cable
Fieldbus	Ethernet Ethernet CAT5E
Total number of conductors	8
Cable diameter	Ø 8.76 mm
Cable jacket	TPE, Teal
Shielding	Aluminum/polyester (IN), 38 AWG, TC (Tinned Copper), 75% coverage
Conductor material	TC (tinned copper)
Conductor colors	BU, WH/BU, OG, WH/OG, GN/WH, WH/GN, BN, WH/BN
Description of assembly	UTP (Unshielded Twisted Pair)
Number of pairs	4
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.	19x0.0058 "
Weight	0.185 lbs. /meter
<b>Electrical properties at +20 °C</b>	
Voltage	ITC 150V PLTC 300V UL AWM 600V

TEA,TPE,4UTPX22,S-BF,FL,ITC,EN,CAT5E,SND 22-02-2025 02-06 | Technische Änderungen vorbehalten

## Technische Daten

CMX OUTDOOR 300V CM 300V	
Dielectric strength	2000 V RMS
Mutual capacitance	1kHz 5.6 nF/100m
Rated voltage	600 V
DC resistance	17.5 $\Omega$ /1000ft
DC resistance imbalance	5 %
Coupler loss	30 $\leq$ f $\leq$ 100 MHz 80 dB min.
Transmission impedance of the surface	1 $\leq$ f $\leq$ 100 MHz 10 f m $\Omega$ /m
<b>Cable test information</b>	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
Total power of close-range cross talk	1 $\leq$ f $\leq$ 100 MHz 32.3 - 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.
Total power of ratio of loss — Long-range cross talk	1 $\leq$ f $\leq$ 100 MHz 20.8 - 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
<b>Mechanical and chemical properties</b>	
Bending radius (static)	$\geq$ 4 x $\emptyset$
Bending radius (dynamic)	$\geq$ 10 x $\emptyset$
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
<b>Approval</b>	
Compliances	RoHS
<b>Note</b>	
- 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.

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