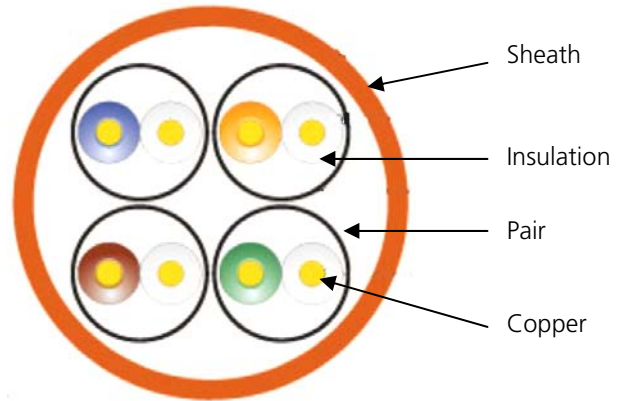
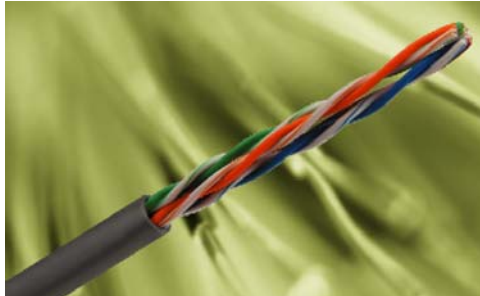


TrueNet®

Category 5e UTP 4-pair LSZH CMX Cable

Issue 1



Category 5e UTP 4 pair solid 24 AWG cable, LSZH CMX

Unscreened cable designed to support Cat 5 Enhanced Link and Channel performance up to 100MHz.

Features:

- Polyethylene insulation with colour marking on the white cores for ease of identification
- Colour code: White-Blue/Blue, White-Orange/Orange, White-Green/Green and White-Brown/Brown
- No shield

Specifications

Mechanical Characteristics:

Conductor:	24 AWG Plain annealed copper
Insulation:	100% Polyethylene
Diameter:	approx. 5.0mm
Complies to:	TIA/EIA 568 A/B
	ISO/IEC 11801
	UL Subject 444
	YD/T1019-2001(P.R.C)
Minimum bending radius:	45mm
Maximum pulling tension:	50N
Box mass, full, nominal:	18kg

Thermal Characteristics:

Transport & storage:	-15°C to 70°C
Installation:	5°C to 40°C
Operation:	-15°C to 70°C

SPEC SHEET



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Electrical Characteristics:

Conductor DC resistance @ 20°C(max): 9.38Ω/100m
 DC Resistance unbalance (max): 3%
 Mutual capacitance @ 20°C (max): 5.6nF/100m
 Characteristic impedance: 100±15Ω@ 1-100 MHz
 Nominal Velocity of Propagation (NVP): 70%

Freq. (MHz)	1	4	10	16	20	31.25	62.5	100
NEXTA dB/100m	65.3	56.3	50.3	47.3	45.8	42.9	38.4	35.3
Characteristic Impedance (Ohms)	100 +/- 15							
Attenuation dB/100m	2.0	4.1	6.5	8.2	9.2	11.7	17.0	22.0
Structural Return Loss dB/100m	>23				>23-10log(f/20)			
Return Loss dB/100m	20+5log(f)		25	25	25	25-7log(f/20)		
NVP	>65%							
PSNEXTA dB/100m	62.3	53.3	47.3	44.3	42.8	39.9	35.4	32.3
ACR dB/100m	63.3	52.2	43.8	39.1	36.5	31.2	21.4	13.3
PSACR dB/100m	60.3	49.2	40.8	36.1	33.5	28.2	18.4	10.3
ELFEXTA dB/100m	63.8	51.7	43.8	39.7	37.7	33.9	27.8	23.8
PSELFEXTA dB/100m	60.8	48.7	40.8	36.7	34.7	30.9	24.8	20.8

SPEC SHEET

Ordering Information

Description	Quantity	Product No.
Category 5e UTP 4-pair LSZH CMX Cable (305m Reel)	1 Reel	6462 3 430-45



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