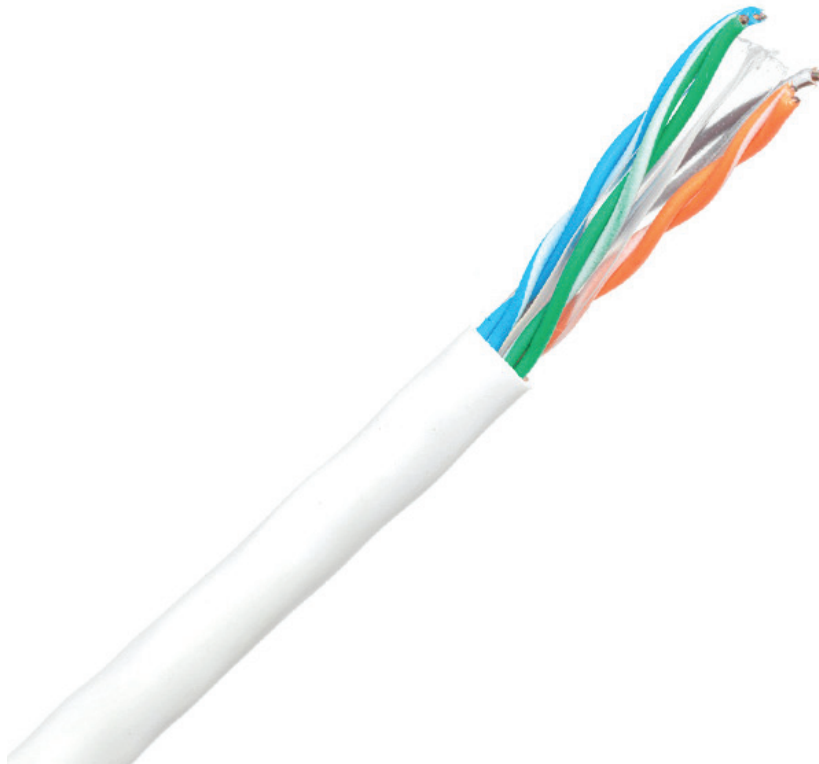




Product Data Sheet

Belden CAT 6 Solid UTP LSOH 305M - White

Description



The Belden 7965ENH is a 250 MHz category 6 cable suitable for use in a series of category 6 and 5E applications. Available in white, its LSOH jacket will emit no halogen and limited smoke upon exposure to extremes of heat, making it ideal for indoor use.

As a horizontal and building backbone cable, it works well in 1000Base-T (Gigabit Ethernet), 100 Base-T, 10 Base-T, FDDI and ATM systems. Developed to the very highest industry standards, it is very easy to install and boasts a polyethylene insulation and a bare copper conductor to guarantee superior performance.

The Belden 7965ENH cable is available from Argosy in lengths of 305 metres.

Product	SKU
BELDEN CAT 6 SOLID UTP LSOH 305M - WHITE	EA-09-6113AV



Product Data Sheet

Belden CAT 6 Solid UTP LSOH 305M - White

Technical Specification

Belden CAT 6 Solid UTP LSOH 305M - White Specification

Conductor	Max. Mutual Capacitance: 56 pF/m (17 pF/ft)	
Element: Individual Pair	Max. Capacitance Unbalance: 160 pF/100m	
Size: 23 AWG	Nom. Characteristic Impedance: 100 Ohm	
Stranding: Solid	Delay	
Material: BC - Bare Copper	Max. Delay Skew: 40 ns/100m	
Number of Pairs: 4	Nom. Velocity of Prop.: 70%	
Number of Element: 8	High Frequency	
Insulation	Frequency [MHz]	Max. Insertion Loss (Attenuation)
Element: Individual Pair	1	2.1 dB/100m
Material: PE - Polyethylene	4	3.8 dB/100m
Nom. Insulation Diameter: 0.96 mm (0.038 in)	10	6 dB/100m
Colour Code: White/Blue & Blue, White/Green & Green, White/Orange & Orange, White/Brown & Brown	16	7.6 dB/100m
Cable Core	20	8.5 dB/100m
Description: 4 pairs twisted together	31.2	10.7 dB/100m
Separator: Center Member (Patented X-Spline®)	62.5	15.5 dB/100m
Outer Jacket	100	19.9 dB/100m
Material: LSZH - Low Smoke Zero Halogen (Flame Retardant)	155	25.3 dB/100m
Nom. Diameter: 5.4 mm (0.21 in)	200	29.1 dB/100m
Overall Cable Diameter (Nominal): 5.4 mm (0.21 in)	250	33 dB/100m
Electricals	Voltage	
Max. Conductor DCR: 95 Ohm/km	Voltage Rating: 72 V DC	



Product Data Sheet

Belden CAT 6 Solid UTP LSOH 305M - White

Technical Specification

Belden CAT 6 Solid UTP LSOH 305M - White Specification

Temperature	Standards and Compliance
Operating: -30°C to +60°C	Environmental Suitability: Indoor - Euroclass Eca
Installation: 0°C To +50°C	Flammability / Reaction to Fire: IEC 60332-1-2
Bend Radius	CPR Compliance: CPR Euroclass: Eca; CPR UKCA Class: Eca
Stationary Min.: 23 mm (0.91 in)	IEEE Compliance: PoE: IEEE 802.3bt Type 1, Type 2, Type 3, Type 4
Installation Min.: 46 mm	Data Category: Category 6
Max. Pull Tension: 80 N (18 lbf)	TIA/EIA Compliance: ANSI/TIA 568.2-D
Bulk Cable Weight: 37 kg/km	ISO/IEC Compliance: ISO/IEC 11801-1, IEC 61034-2 - Smoke Density Min Transmittance = 60%
	CENELEC Compliance: EN 50173-1, Segregation class according EN50174-2 = a
	European Directive Compliance: EU CE Mark
	UK Regulation Compliance: UKCA Mark