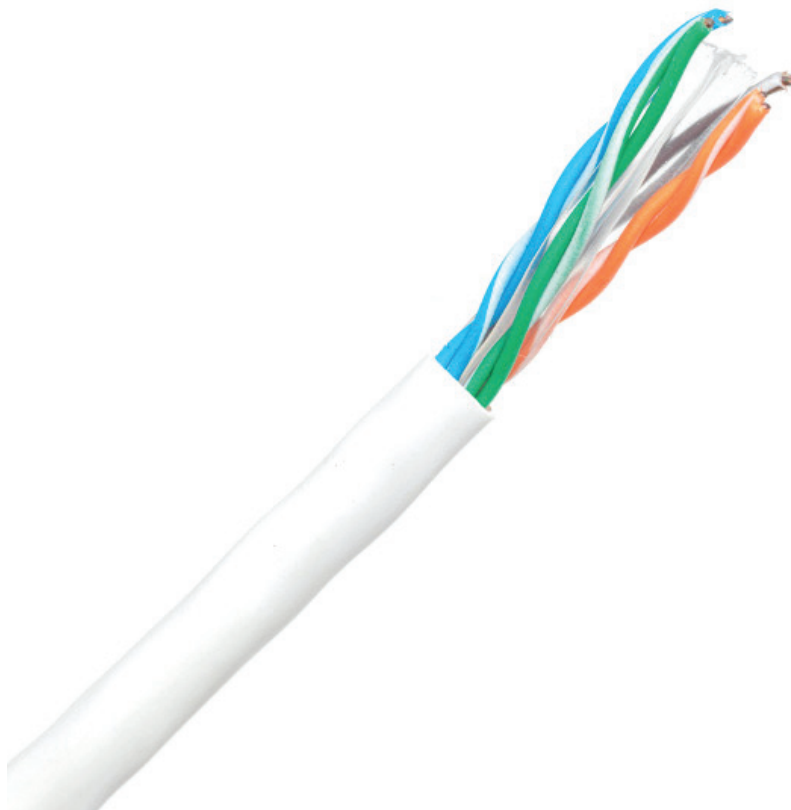**ARGOSY**

Product Data Sheet

Belden CAT 6 Solid U/UTP PVC 305M - Grey

Description

Industry-standard U/UTP solid patch Cat6 250MHz cable with central slit film filler supports every Ethernet system currently marketed and is ideal for use in existing or future bandwidth applications such as 622ATM and Gigabit Ethernet. Compatible with RJ45 for T568A or T658B configurations.

Suitable applications include Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422, 250MHz Category 6.

Available in a sequentially marked, highly flexible PVC jacket and supplied in 305M reels or box packs.

Product	SKU
BELDEN CAT 6 SOLID U/UTP PVC 305M - GREY	EA-08-6504

Product Data Sheet

Belden CAT 6 Solid U/UTP PVC 305M - Grey

Technical Specification

Belden CAT 6 Solid U/UTP PVC 305M - Grey 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: PVC - Polyvinyl Chloride		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 U/UTP PVC 305M - Grey

Technical Specification

Belden CAT 6 Solid U/UTP PVC 305M - Grey 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
	CENELEC Compliance: EN 50173-1, Segregation class according EN50174-2 = a
	European Directive Compliance: EU CE Mark
	UK Regulation Compliance: UKCA Mark