

Pre-terminated Copper Harness Cable



Pre-terminated copper trunk cables provide a quick plug-and-play solution for links between switches, servers, patch panels, and zone distribution areas in the data center. With the right upfront planning and coordination, these trunks can offer major benefits over terminating twisted-pair cable in the field. Copper trunks are typically comprised of bundles of 6, 12, or 24 and factory terminated with jacks and plugs. There are various pre-terminated copper trunk cables available in cat5e, cat6 and cat6a UTP and STP cable construction with different termination types, such as jack to jack, jack to plug, plug to plug, etc. on the market. The picture below shows a jack-to-jack cat5e UTP pre-terminated copper trunk cable.

Features

- High-performance Cat6A, Cat6, Cat5e pre-terminated patch cables with professional grade keystone jacks that are designed to greatly reduce installation time
- Keystone jacks are compatible with 3C3® unloaded patch panels
- Available in unshielded and shielded twisted pair cable assemblies, with either jack-to-jack or jack- to-RJ45 connector configurations to accommodate almost any custom application.

Mechanical Specifications

Transmission Media	:	Cat6, Cat5e – Unscreened Twisted Pair (UTP)
Material	:	Cat6A – Screened Twisted Pair (STP)
Conductor construction	:	Bare Copper
Insulation Diameter	:	$1/0.560 \pm 0.02$ mm
Jack Type	:	1.04 ± 0.06 mm
Wiring Scheme	:	8P8C (8-position, 8-contact) RJ45 style
Wiring Gauge	:	Keystone Jack
Sheath Diameter	:	ANSI/TIA.2-D, T568-B
	:	Cat6A - 23 AWG
	:	Cat6, Cat5e – 24 AWG
	:	6.3 ± 0.3 mm

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Electrical Specifications

Jack Insulation resistance	:	Min. 500 MΩ@100 VDC
IDC contact resistance	:	Max. 2.5 mΩ
Cable Insulation resistance	:	Min. 150 MΩ/Km
Conductor resistance	:	Max 9.38Ω/100m @ 20°C
Resistance unbalance	:	Max. 2%
Capacitance unbalance	:	Max. 160 pF/100 m
Mutual capacitance	:	Max 5600 pF/100 m

Environmental Specifications

Operating Temperature	:	-10°C to +60°C
Storage Temperature	:	-40°C to +70°C
Humidity	:	10% - 90% RH

Standard Compliances/Certifications

- RoHS certified

Ordering Information

Product Code	Description
17C5E-XXXX	<p>Pre-terminated Copper Trunk Cable 20inch Breakout, Grey, C6</p> <p>C = Cat6 Runs (1 - 12 Runs, 2 - 6 Runs), Cat6A Runs (3 - 12 Runs, 4 - 6 Runs)</p> <p>E = Type Unshielded (0 = F - F, 2 = M - F), Shielded (1 = F - F, 3 = M - F)</p> <p>XXXX= Length in Centimeter</p>