

## 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.

### Technical Specifications

Item	Specification
Transmission Media	Cat6,Cat5e – Unscreened Twisted Pair(UTP)
	Cat6A – Screened Twisted Pair(STP)
Material	Bare Copper
Conductor construction	1/0.560 ± 0.02 mm
Insulation Diameter	1.04 ± 0.06 mm
Jack Type	8P8C (8-position, 8-contact) RJ45 style Keystone Jack
Wiring Scheme	ANSI/TIA-C.2: T5682
Wiring Gauge	Cat6A - 23 AWG; Cat6,Cat5e – 24 AWG
Sheath Diameter	6.3 ± 0.3 mm
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
Storage Temperature	-40°C ± 70°C
Operating Temperature	-10°C ± 60°C

### Ordering Information

Parameter	Values
3C-OIUU-VV-WW-XXX-YYY-ZZ	Pre-terminated Copper Harness Cable

UU – (Cat6A-6A, Cat6-C6, Cat5e-C5)

VV – Bunches (6,12,24)

WW – Color (BK-Black, GY-Grey, YL-Yellow)

XXX / YYY – (RJ45 to IO or IO to IO)

ZZ –Length of the cable

