

Customized Cat5e Trunk Cables Datasheet

Perfect for Backbone and Cross-connect Cabling Systems



Overview

Cat5e customized trunk cables provide a fast and simple way of installing backbone and cross-connect cabling. Ideal for data center or SMB where quick installation and consistent network connection. With fast transmission and excellent signal quality, it ensures peak performance through your LAN. All certified and channel-tested Cat5e cables are bundled together, which cuts down on cable clutter in your cabinet and keeps a better airflow.

Application

- Easy connection in switches and patch panels.
- Rated for any 10/100/1000Base-T Ethernet.
- Used for copper backbone and cross-connect cabling.

Key Features

- Available in jack-jack, plug-plug and plug-jack
- 6, 12 and 24 cable counts can be customized
- Protected by PVC CMR, PVC or LSZH jacket
- Solid or stranded Oxygen-free Copper conductor
- Designed for 10/100/1000Base-T Ethernet
- Pass the Fluke Channel Test
- RoHS, REACH, ISO9001 compliancy status
- Saves time, space and labor costs
- Each trunk assembly receives an individual identification number

Specifications

Product Type

Category	CAT5E-U6PPX-XM
Reference Standard	ISO/IEC 11801, ANSI/TIA-568-C.2
Shielding Type	Unshielded (UTP)
Termination End	Plug to Plug; Jack to Jack; Plug-Jack
Cable Count	6; 12; 24

Conductor

Material	Oxygen-free Copper
Type	Plug to Plug: Stranded; Jack to Jack: Solid; Plug to Jack: Stranded
Wire Gauge (AWG)	Plug to Plug: 24 (7/0.2mm); Jack to Jack: 24 (0.500 ± 0.005mm); Plug to Jack: 24 (7/0.2mm)
Conductor Qty.	4 Twisted Pairs

Insulation

Insulation Material	HDPE
Insulation Diameter (mm)	0.97 ± 0.05
Core Color	A. Orange, White-Orange; B. Blue, White-Blue; C. Green, White-Green; D. Brown, White-Brown

Sheath

Material	PVC (Complies RoHS), CMR
Outer O.D. (mm)	5.5 ± 0.4
Thickness (mm)	0.55 ± 0.05
Breakout Length (cm)	25 ± 2
Color	Blue

Specifications

Electrical Characteristics (20°C)

Data Rate Support	10/100/1000Base-T
Standard Bandwidth (MHz)	100
Reference Bandwidth (MHz)	350
1-100MHz, Characteristic Impedance (Ω)	100 \pm 15
1-100MHz, Delay Skew (ns/100m)	\leq 45
DC Resistance 20°C (Ω/100m) Max	9.5

Mechanical Characteristic

Before Aging Tensile Strength (Mpa)	\geq 13.5
Before Aging Elongation (%)	\geq 150
Aging Period ($^{\circ}$C\timeshrs)	100 $^{\circ}$ C \times 24h \times 7d
After Aging Tensile Strength (Mpa)	\geq 12.5
After Aging Elongation (%)	\geq 125
Cold Bend (-20\pm2$^{\circ}$C\times4h)	No Visible Cracks

Surface Printing

Letter Height (mm)	3.0 \pm 0.3
Color	Black

Others

Rip Cord	Yes
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