

Cat6 Trunk Cables

Perfect for Backbone and Cross-connect Cabling Systems



Overview

The copper trunk assembly combines six certified CAT6 cables perfect for enterprise data centers, colocation facilities, server farms, cloud storage networks, and telecommunication rooms. Factory termination and testing simplify installation and improve consistency while saving time and labor compared to field-terminated installations. It is made with a modular design, so you can easily change, repair, or move one module at a time, even after the installation. A braided sleeve binding bundles individual cables into an aesthetic and cohesive trunk assembly, ensuring easy and efficient installation. FS offers regular custom choices such as cable count, connector type, color, etc.

Application

- Easy connection in switches and patch panels.
- Rated for any 1/10GBas
- Used for copper backbone and cross-connect cabling.

Key Features

- 90% Reduction in Labor Costs for Data Centers as Compared to Field-terminated Installations
- 100% Factory-terminated, Bundled and Tested
- ISO/IEC 11801-1, TIA-568.2-C Standards
- Black Mesh Tubing Keeps Cables Neat and Ensures Snag-free Installation
- Each Trunk Assembly Receives an Individual Identification Number for Fast Recognition
- Paired with Labels and Printers, FSWireNet Enables Rapid Cable Identification
- Blue CMR-rated PVC jacket
- Stranded Oxygen-free Copper conductor
- Designed for 1/10GBase-T Ethernet

Specifications

Product Type	
Category	CAT6-UTP-6JJ-BE
Reference Standard	ISO/IEC 11801, ANSI/TIA-568-C.2
Shielding Type	Unshielded (UTP)
Termination End	Jack to Jack
Cable Count	6
Conductor	
Conductor Material	Solid Oxygen-free Copper
Wire Gauge (AWG)	23
Conductor O.D. (mm)	0.565 ± 0.005
Conductor Qty.	4 Twisted Pairs
Insulation	
Insulation Material	HDPE
Insulation Diameter (mm)	1.02 ± 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)	6.2 ± 0.4
Thickness (mm)	0.55 ± 0.05
Breakout Length (m)	0.3
Surface	Blue

Specifications

Electrical Characteristics (20 °C)	
Data Rate Support	1/10GBase-T
Standard Bandwidth (MHz)	250
Reference Bandwidth (MHz)	550
1-100MHz, Characteristic Impedance (Ω)	100 ± 15
1-100MHz, Delay Skew (ns/100m)	≤45
Max. DC Resistance 20°C (Ω/100m)	9.38
Max. DC Conductor Resistance Unbalance (%)	5.0
Mechanical Characteristic	
Before Aging Tensile Strength (Mpa)	≥13.5
Before Aging Elongation (%)	≥150
Aging Period (°C×hrs)	100°C × 24h × 7d
After Aging Tensile Strength (Mpa)	≥12.5
After Aging Elongation (%)	≥125
Cold Bend (-20±2°C×4h)	No Visible Cracks
Surface Printing	
Letter Height (mm)	3.0 ± 0.3
Color	Black
Others	
Rip Cord	Yes

Product Dimension

Unit: mm

