

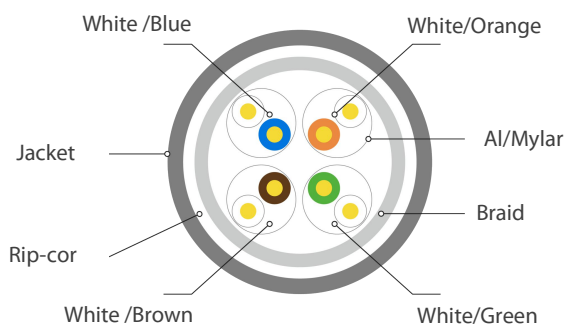
Cat7 Ethernet Bulk Cable

23AWG • 4 Twisted Pairs • CMR • S/FTP • 350MHz • Solid Copper



Overview

Cat7 has been designed as a standard for 10 Gigabit Ethernet over 100m of copper cabling. It has a higher bandwidth of up to 1000MHz and backwards compatible with traditional Cat5e, Cat6 and Cat6a Ethernet. This cable offers extensive shielding to reduce signal attenuation and is relatively stiff in comparison to previous generations of cabling. It is great for datacenters, server rooms, and telecommunications rooms.



Key Features

- Solid Bare Copper Better than CCA
- Marked Every 1m (3.28ft) on Cable Makes Measuring Easy
- Support PoE, PoE+, and PoE++ (IEEE 802.3af/at/bt)
- CE, Reach, RoHS Certified
- Shielding Helps Eliminate Cross-talk and Prevents Electromagnetic Interference (EMI)
- CMR Rated (Riser) for Use in between Floors, in-Wall, and Non-plenum Spaces
- Tested with a Fluke DSX-8000 Versiv CableAnalyzer

Application

- Use in between Floors, In-Wall, and Non-plenum Spaces
- Rated for any 1G/10GBase-T Ethernet
- Connect with Switches, Routers, Computers, IP Cameras, Xbox, Apple TV and Much More

Specifications

Physical Characteristics

Operating Temp. Range	-20 to +75°C (-4 to 167°F)
Max. Operating Voltage (v)	80
Reference Standard	ISO/IEC 11801

Conductor

Conductor Type	Solid Bare Copper
Wire Gauge (AWG)	23
Conductor Nom.O.D. (mm)	0.560 ± 0.005
Conductor Qty.	4 Twisted Pairs

Insulation

Insulation Material	Skin-foam-skin PE
Insulation Diameter (mm)	1.330 ± 0.05
Core Color	A. White, Blue B. White, Orange C. White, Green D. White, Brown

Jacket

Material	PVC (Complies RoHS), CMR
External O.D. (mm)	7.6 ± 0.5
Thickness (mm)	0.55 ± 0.05
Color	Blue
Surface	Clean, Frap, Satiation
Rip Cord	Yes

Specifications

Electrical Characteristics

1.0-100.0MHz Impedance (ohms)	100 ± 15
1.0-250.0MHz Impedance (ohms)	100 ± 18
250-600.0MHz Impedance (ohms)	100 ± 25
1.0-600.0MHz Delay Skew (ns/100m)	≤25
Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance @20°C (ohms/100m)	9.38
Resistance Unbalance (%)	≤2.0

Mechanical Characteristics

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)	8 × Cable O.D., No Visible Cracks

Packing

Packing Type	1000ft (305m)/Spool
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