Cat6 Ethernet Bulk Cable

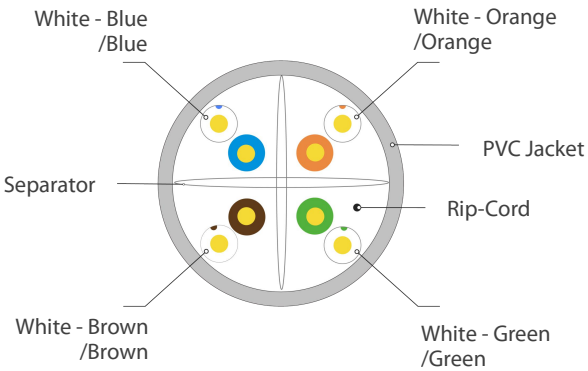
23AWG • 4 Twisted Pairs • CMR • U/UTP • 550MHz • Solid Copper

Available Colors:



Overview

The next step up from standard Cat5e cable, Cat6 is a "4 twisted pairs" network cable used for 1000Base-T Ethernet applications up to 550MHz, can also provide at speed of 10G rate with 30-40m transmission distance. This cable is perfect to all your advanced networking installations.



Key Features

- Solid Bare Copper Better than CCA
- Tangle and Twist-free Packaging
- Marked Every 1m (3.28ft) on Cable Makes Measuring Easy
- Support PoE, PoE+ and PoE++ (IEEE 802.3af/at/bt)
- CE, Reach, RoHS Certified and UL Listed
- CMR Rated (Riser) for Use in between Floors, in-Wall, and Non-plenum Spaces
- Colored Cables for Easy Identification and Troubleshooting
- Tested with a Fluke DSX-8000 Versiv CableAnalyzer

Application

- Use in between Floors, In-Wall, and Non-plenum Spaces
- Rated for any 10/100/1000Base-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)	300
Reference Standard	ISO/IEC 11801, ANSI/TIA-568.2-D

Conductor	
Conductor Type	Solid Bare Copper
Wire Gauge (AWG)	23
Conductor Nom.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. White - Blue, Blue B. White - Orange, Orange C. White - Orange, Orange D. White - Brown, Brown

Jacket	
Material	PVC (Complies RoHS), CMR
External O.D. (mm)	6.2 ± 0.4
Thickness (mm)	0.55 ± 0.05
Color	Blue/Grey/Black/ Green/Red/ Yellow/ Orange/Purple/White
Surface	Clean, Frap, Satiation
Rip Cord	Yes

Specifications

Electrical Characteristics	
1.0-250.0MHz Impedance(ohms)	100 ± 15
1.0-250.0MHz Delay Skew (ns/100m)	≤45
Capacitance Unbalance (pF/100m)	≤160
Max. Conductor DC Resistance @20℃ (ohms/100m)	9.38
Resistance Unbalance (%)	≤5.0

Mechanical Characteristics	
Before Aging Tensile Strength (Mpa)	≥13.5
Before Aging Elongation (%)	≥150
Aging Period (℃×hrs)	100℃×24h×7d
After Aging Tensile Strength (Mpa)	≥12.5
After Aging Elongation (%)	≥125
Cold Bend (-20±2℃×4h)	8 × Cable O.D., No Visible Cracks

Packing	
Packing Type	1000ft (305m) Pull Box
Carton Dimension (HxWxD)	350×330×265 MM