

# Cat6 Ethernet Bulk Cable

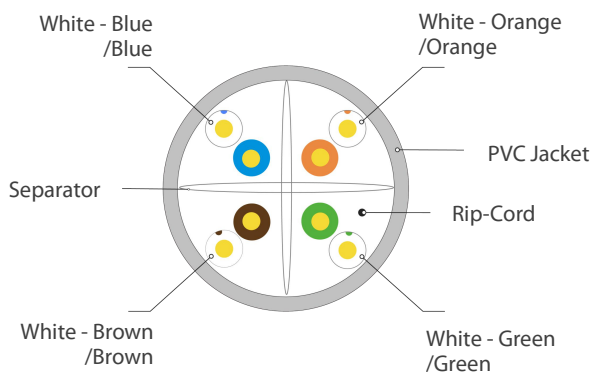
23AWG • 4 Twisted Pairs • CMR • U/UTP • 550MHz • Solid Copper

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

<b>Operating Temp. Range</b>	-20 to +75°C (-4 to 167°F)
<b>Max. Operating Voltage (v)</b>	300
<b>Reference Standard</b>	ISO/IEC 11801, ANSI/TIA-568.2-D

### Conductor

<b>Conductor Type</b>	Solid Bare Copper
<b>Wire Gauge (AWG)</b>	23
<b>Conductor Nom.O.D. (mm)</b>	0.565 ± 0.005
<b>Conductor Qty.</b>	4 Twisted Pairs

### Insulation

<b>Insulation Material</b>	HDPE
<b>Insulation Diameter (mm)</b>	1.02 ± 0.05
<b>Core Color</b>	<ul style="list-style-type: none"> <li>A. White - Blue, Blue</li> <li>B. White - Orange, Orange</li> <li>C. White - Orange, Orange</li> <li>D. White - Brown, Brown</li> </ul>

### Jacket

<b>Material</b>	PVC (Complies RoHS), CMR
<b>External O.D. (mm)</b>	6.2 ± 0.4
<b>Thickness (mm)</b>	0.55 ± 0.05
<b>Color</b>	Blue/Grey/Black/ Green/Red/ Yellow/ Orange/Purple/White
<b>Surface</b>	Clean, Frap, Satiation
<b>Rip Cord</b>	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°C (ohms/100m)	9.38
Resistance Unbalance (%)	≤5.0

### 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) Pull Box
Carton Dimension (HxWxD)	350×330×265 MM



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