

## Cat6 UTP Patch Cables



Protected by CM-rated PVC jacket  
Stranded Oxygen-free Copper  
Rated for 250MHz communications  
Designed for 1/10GBase-T Ethernet  
Pass the Fluke Test  
RoHS, CE compliancy status  
24AWG 4-pair precision twisted cable  
RJ45 plugs with 50-micron gold-plated connectors  
A variety of lengths and colors for all  
Cat6 UTP cables

### OVERVIEW

Cat6 network patch cable is the cost-effective solution for data center and SMB applications. Design for computer, hubs, switches, routers, DSL/cable modems and patch

panel in Gigabit datacenter application. With fast transmission and excellent signal quality, it ensures peak performance through your LAN.

### APPLICATION

- Rated for any 1/10GBase-T Ethernet.
- Perfect for data center and SMB applications.
- Ideal for switches, servers, patch panels, or other equipment.



**Cat6 UTP Patch Cables**

**TECHNICAL SPECIFICATION**

<b>Product Type</b>	
Shielding Type	Unshielded (U/UTP)
Termination End	RJ45 Plug
Reference Standard	ISO/IEC 11801, ANSI/TIA-568-C.2
<b>Conductor</b>	
Conductor Type	Stranded
Conductor Material	Copper
Wire Gauge (AWG)	24 (7/0.20mm)
Conductor Qty.	4 Twisted Pairs
<b>Insulation</b>	
Insulation Material	HDPE
Insulation Diameter (mm)	0.98 ± 0.05
Core Color	A. Orange, White-Orange B. Blue, White-Blue C. Green, White-Green D. Brown, White-Brown
<b>Sheath</b>	
Material	LSZH
Outer O.D. (mm)	6.1± 0.4
Thickness (mm)	0.55± 0.05
Color	Blue / Gray / Black / Red / Purple / Green / Yellow
Surface	Clean, Frap, Satiation
<b>Electrical Characteristics (20 °C)</b>	
Data Rate Support	1/10GBase-T
Standard Bandwidth (MHZ)	250
Reference Bandwidth (MHZ)	550
1-250MHz, Characteristic Impedance (Ω)	100 ± 15
Max. DC Conductor Resistance Unbalance (%)	5.0
1-250MHz, Delay Skew 20°C (ns/100m)	≤45
Max. DC Resistance 20°C (Ω/100m)	9.38

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**TECHNICAL SPECIFICATION**

<b>Mechanical Characteristics</b>	
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
Min. Bend Radius (cm)	4.27 ± 0.3
<b>Surface Printing</b>	
Letter Height (mm)	3.0 ± 0.3
Color	Black

**ORDERING INFORMATION**

AAE-PP6xx-0.4M	Cat6 UTP Patch Code BC 7/0.18 PVC Jacket 0.4MTR 24awg Available Color Option
AE-PP6xx-1M	Cat6 UTP Patch Code BC 7/0.18 PVC Jacket 1MTR 24awg Available Color Option
AE-PP6xx-2M	Cat6 UTP Patch Code BC 7/0.18 PVC Jacket 2MTR 24awg Available Color Option
AE-PP6xx-3M	Cat6 UTP Patch Code BC 7/0.18 PVC Jacket 3M 24awg Available Color Option
AE-PP6xx-4M	Cat6 UTP Patch Code BC 7/0.18 PVC Jacket 4MTR 24awg Grey
AE-PP6xx-5M	Cat6 UTP Patch Code BC 7/0.18 PVC Jacket 5 MTR 24awg Available Color Option
AE-PP6xx-10M	Cat6 UTP Patch Code BC 7/0.18 PVC Jacket 10MTR 24awg Grey LSZH
AE-PP6xx-15M	Cat6 UTP Patch Code BC 7/0.18 PVC Jacket 15MTR 24awg Grey LSZH
AE-PP6xx-20M	Cat6 UTP Patch Code BC 7/0.18 PVC Jacket 20MTR 24awg Grey LSZH