

Cat6 UTP Bulk Cable

Perfect for Copper Cabling System



Overview

Cat6 UTP bulk cable is premium cabling designed for Cat6 applications, such as connecting an Ethernet wall jack to a router, patch panel or switch. With fast transmission and excellent signal quality, it ensures peak performance through your LAN. Protected by PVC CMR jacket, the cable is ideal for all non-plenum horizontal cabling system applications, including 10/100/1000Base-T Ethernet.

Application

- Indoor horizontal wiring system.
- Rated for any 10/100/1000Base-T Ethernet.
- Connecting an Ethernet jack to a router, patch panel or switch.

Key Features

- 4-pair 8-core twisted pair
- Protected by CMR-rated PVC jacket
- Solid Oxygen-free Copper conductor
- Rated for 250MHz communications
- Designed for 10/100/1000Base-T Ethernet
- Wide opening design, easy to pull out
- Descending length cable markings
- RoHS & ISO9001 compliancy status

Specifications

Product Type

Model	C6-UTPPVCBE-305M
Reference Standard	ISO/IEC 11801, ANSI/TIA-568-C.2
Shielding Type	Unshielded (U/UTP)
Cable Length (m)	305 ± 1.5

Conductor

Conductor Type	Solid Oxygen-free 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. Orange, White-Orange, B. Blue, White-Blue, C. Green, White-Green, D. Brown, White-Brown

Sheath

Material	PVC (Complies RoHS), CMR
External O.D. (mm)	6.2 ± 0.4
Thickness (mm)	0.55 ± 0.05
Color	Blue
Surface	Clean, Frap, Satiation

Specifications

Electrical Characteristics (20 °C)

Data Rate Support	10/100/1000Base-T
Standard Bandwidth (MHz)	250
Reference Bandwidth (MHz)	550
1-250MHz Impedance (Ω)	100 ± 15
1-250MHz Delay Skew (ns/100m)	≤ 45
Max. DC Resistance ($\Omega/100m$)	9.38
Max. DC Conductor Resistance Unbalance (%)	5.0

Sheath Physical Properties

Before Aging Tensile Strength (Mpa)	≥ 13.5
Before Aging Elongation (%)	≥ 150
Aging Period ($^{\circ}\text{C} \times \text{hrs}$)	$100^{\circ}\text{C} \times 24\text{h} \times 7\text{d}$
After Aging Tensile Strength (Mpa)	≥ 12.5
After Aging Elongation (%)	≥ 125
Cold Bend ($-20 \pm 2^{\circ}\text{C} \times 4\text{h}$)	No Visible Cracks

Surface Printing

Letter Height (mm)	3.0 ± 0.3
Color	Black

Packing

Packing Type	Carton
Carton Dimension (HxWxD)	342*330*265mm

Specifications

Others

Rip Cord

Yes

Drain Wire

No



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