

CAT 6A F/UTP

OVERALL FOIL / UNSHIELDED TWISTED PAIR

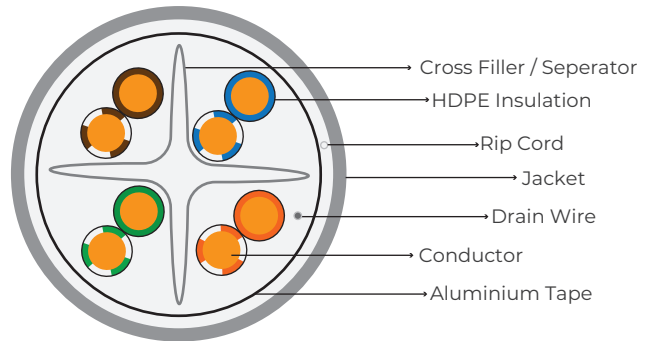
Product Description

CAT 6A F/UTP, 4 Pair, 23 AWG (Solid) Bare Copper, HDPE Insulation, Overall Foiled
Jacket: Indoor - PVC/LSZH, Outdoor - PE

Technical Specifications

Product Overview

Suitable Applications: 10 Gigabit Ethernet, Power over Ethernet, voice and broadband video transmissions, Class EA structured wiring cable systems, Data transmission speed 10Gbps



Construction Details

Conductor

Element	Size	Stranding	Material	No. of Pairs	No. of Elements
Pair(s)	23 AWG	Solid	Bare Copper	4	8

Insulation

Material	Color Code
HDPE	White/Blue Stripe & Blue, White/Orange Stripe & Orange, White/Green Stripe & Green, White/Brown Stripe & Brown

Cross Filler / Separator	Yes
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Overall Shield

Shield Type	Material	Drain Wire
Tape	Aluminium+Polyester	Tinned Copper

Outer Jacket

Material	Rip Cord
Indoor: PVC / LSZH	Yes
Outdoor: PE	-

Electrical Characteristics

Electricals

Max. Conductor DC Resistance	Insulation Resistance	Dielectric Strength	Characteristics Impedance
@ 20°C: 9.5 Ohm/100m	5000 Mohm/km @ 500V D.C.	1.0 kV DC for 1 Minute	100 ± 15 Ohm
Resistance Unbalance (With in a pairs)	Resistance Unbalance (Between pairs)	Capacitance Unbalance (Pair to Ground)	
2% Max	5% Max	1600 pF/km @ 1000Hz	

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Delay

Frequency	Delay Skew	Nom. Velocity of Propagation Range	Fluke Test
500 MHz	45 ns/100m	67% to 70%	100 MTR

Mechanical Characteristics

Temperature

Operating	Installation	Storage
- 20°C to +70°C	0°C to +50°C	- 20°C to +80°C

Standards and Compliance

Flammability Test	IEC 60332-1 (Applicable for LSZH sheathed cable)
Data Category	Category 6A
TIA/EIA Compliance	ANSI/TIA- 568.2-D
ISO/IEC Compliance	ISO/IEC 11801-1
IEC Compliance	IEC - 61156-5
BS EN Compliance	BS EN 50173
EN Compliance	EN 50288-5-2
Wire Mapping Standard	568 A/568 B

Packing

Packing type	Length
Drum	305 MTR
MessCoil	305 MTR
Meter Marking	Reverse

Patch Cord

RJ 45	CAT 6
Packing Length	1, 3, 5 MTR



Standard Outer Sheath Colour

Indoor - PVC	Grey
Indoor - LSZH	Blue
Outdoor - PE	Black

Note:

The outer sheath colour will be customized to meet the customer's preferences.