

# CAT 6A U/FTP

OVERALL UNSHIELDED / FOILED TWISTED PAIR

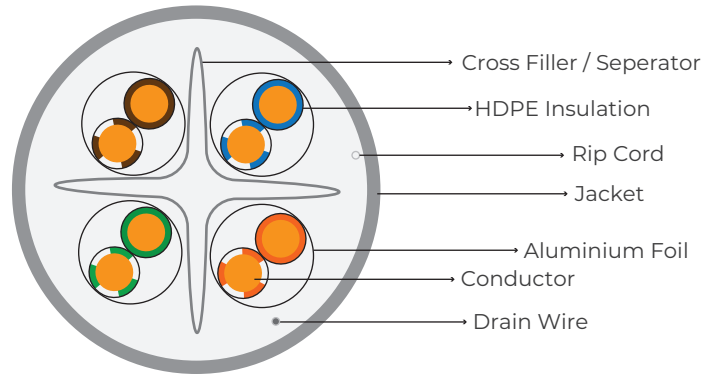
## Product Description

CAT 6A U/FTP, 4 Pair, 23 AWG (Solid) Bare Copper, HDPE Insulation, Foiled Twisted Pairs, 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

### Inner Shield

Element	Shield Type	Material
Individual Shielded Pair	Tape	Aluminium+Polyester
Cross Filler / Separator	Yes	

### Overall Shield

Drain Wire	Tinned Copper
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### 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.