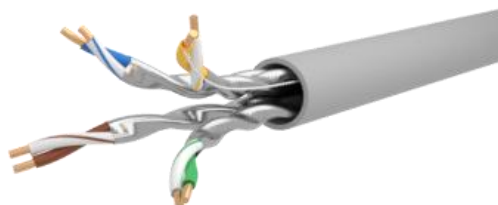


# Category 6A U-FTP Cable - LSZH



High Speed 10Gigabit Ethernet U-FTP 500 MHz Class EA / Category 6A cable Consists of HDPE Insulated 8 X 23AWG Solid Bare Electrolytic Grade Copper Conductors Twisted as 4 Pairs, Aluminum / Polyester Tape shielding and LSZH Outer Jacket. It supports 10/100/1000Base-T, 155Mbps ATM, IEEE 802.3an (10GBase-T) Standard.

## Features

- Complies to ANSI/TIA-568.2-D Category 6A & ISO/IEC 11801 Class EA
- Fire Rating as per IEC 60332-1
- Full Power Sum Performance
- Supports 10Gigabit Ethernet to a full 100m up to 500 MHz
- Excellent Shielding prevents Alien Crosstalk
- RoHS Certified & ETL verified
- Covered under 3C3® Performance Warranty

## Mechanical Specifications

Conductor AWG	: 23
Conductor Material	: Solid bare Copper
Conductor Count	: 8
Insulation Material	: Skin-Foam-Skin PE
No. of pair	: 4
Color Code	
Pair #1	: Blue, White and Blue
Pair #2	: Orange, White and Orange
Pair #3	: Green, White and Green
Pair #4	: Brown, White and Brown
Individual Pair	: Aluminum -Polyester Tape
Drain Wire	: Tinned Copper
Outer Sheath	: LSZH
Outer Sheath Color	: Grey
Outer Sheath Thickness	: 0.55 ±0.05mm
Overall cable diameter	: 7.5 ±0.3 mm
RIP Cord	: No
Cross filler	: HDPE

# Category 6A U-FTP Cable - LSZH

## Mechanical Specifications

Characteristic Impedance	: 100Ω±15%
Conductor Resistance (DC)	: ≤9.38Ω/100m
Resistance Unbalance	: 5% max
Mutual Capacitance	: <5.6nf/100m
Capacitance Unbalance	: 330pF/100m
Delay Skew	: <45ns
NVP	: 75%
Bending radius	: Minimum 8X cable diameter
Pulling force	: 11.5kg
Maximum propagation delay @500MHz	: 536ns/100m

Frequency	Max. IL (dB)	Min. NEXT (dB)	Min PSNEXT (dB)	Min ACRF (dB)	Min PSACRF (dB)	Min PSANEXT (dB)	Min PSAACRF (dB)	Min RL (dB)
500MHz	≤49.3	≥ 33.8	≥31.8	≥13.8	≥10.8	≥52	≥24.2	≥ 15.2

## Environmental Specifications

Installation Temperature	: 0°C to 50°C
Storage Temperature	: -20°C to +70°C
Operating Temperature	: -10°C to +60°C

## Flame Properties

Flammability Test	: IEC 60332-1
Acid Gas Emission Test	: IEC 60754-1 & 2
Smoke Density Test	: IEC 61034-2

## Standard Compliances/Certifications

- RoHS Certified
- ETL Verified

## Ordering Information

**Product Code**  
10354

### Description

High Speed 10G Ethernet U-FTP 500 MHz Class EA LSZH Cable, C6A