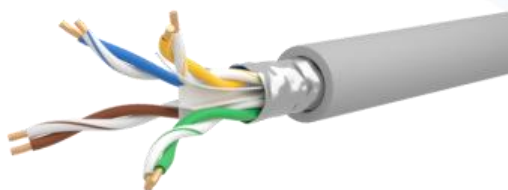# Category 6A F-UTP Cable - LSZH

High Speed 10Gigabit Ethernet F-UTP 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
- Covered under 3C3® Performance Warranty

Mechanical Specifications

Conductor AWG	:	23
Conductor Material	:	Solid bare Copper
Conductor Count	:	8
Insulation Material	:	Foam Polyethylene
Insulation Diameter	:	1.04±0.05mm
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
Shield	:	Aluminum / Polyester Foil
Drain Wire	:	Tinner Copper Drain Wire
Outer Sheath	:	LSZH
Outer Sheath Color	:	Grey
Outer Sheath Thickness	:	0.55 ±0.05mm
Overall cable diameter	:	7.3 ±0.3 mm
RIP Cord	:	Yes
Cross filler	:	HDPE

Phone: 1800-2020198 | Email: sales@3c3.com | www.3c3.com

Category 6A F-UTP Cable - LSZH

Electrical 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	:	69%
Minimum Bending radius	:	8X cable diameter
Pulling force	:	11.5kg
Maximum propagation delay @500MHz	:	536ns

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 +75°C
Operating Temperature	:	-20°C to +75°C

Flame Properties

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

Standard Compliance/Certifications

- RoHS Certified

Ordering Information

Product Code	Description
10330	High Speed 10G Ethernet F-UTP 500 MHz Class EA LSZH Cable, C6A