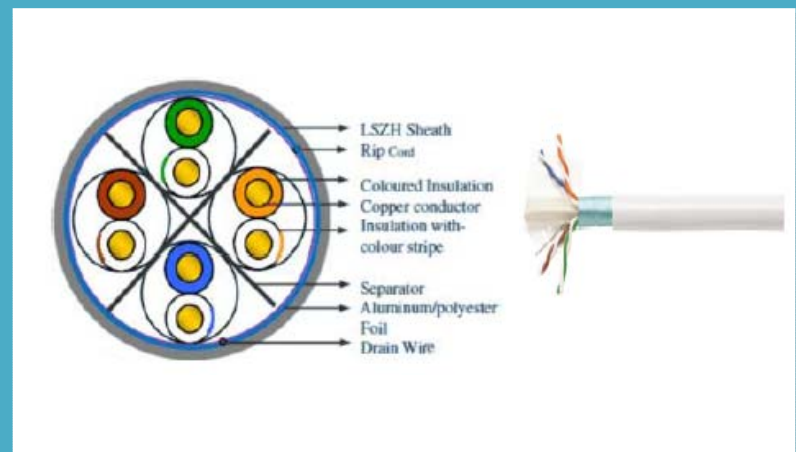


## Features:

- Support High Speed 10G
- Aluminum/Polyester Tape Shielding
- LSZH Outer Jacket
- Fire Rating Compliant to IEC 60332-1
- 4 Pair 23 AWG Standard
- HDPE Insulated
- High Speed Data, Voice & Video Signal
- Compliant to ANSI-TIA 568.2-D
- RoHS Directive 2002/95/EC
- UL Listed and ETL Verified



High Speed 10Gigabit Ethernet 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.

## Mechanical Specifications

Conductor AWG	:	23
Conductor Material	:	Solid bare Copper
Conductor Count	:	8
Insulation Material	:	Foam Polyethylene
Insulation Diameter	:	1.37±0.05mm
Pairing	:	2 insulated conductor twisted together
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
Braid Shield	:	ATC braiding
Drain Wire	:	ATC
Outer Sheath	:	LSZH
Outer Sheath Color	:	Grey – RAL 7035
Outer Sheath Thickness	:	0.55 ±0.05mm
Overall cable diameter	:	7.5 ±0.3 mm

## Electrical Specifications

Characteristic Impedance	:	100W±15%
Conductor Resistance(DC)	:	9.38W/100m
Resistance Unbalance	:	5% max
Mutual Capacitance	:	<5.6nf/100m
Capacitance Unbalance	:	330pF/100m
Delay Skew	:	<45ns
NVP	:	69%
Bending radius	:	Minimum 8X cable diameter
Pulling force	:	11.5kg

Maximum propagation delay @500MHz	:	536ns/100m
Propagation Delay Skew	:	<45ns/100m
Maximum Attenuation @500Mhz &100m	:	45.3dB
Minimum Return loss@500MHz&90m	:	15.2dB
Insertion loss@500MHz&100m	:	45.3dB
Minimum NEXT@500MHz&90m	:	33.8dB
Minimum PS NEXT @500MHz&100m	:	31.8dB
Minimum ACRF(ELFEXT) @500MHz&90m	:	13.8dB
Minimum PSACRF @500MHz&90m	:	10.8dB
Minimum TCL	:	23dB
DC Loop Resistance	:	25 mW
DC Resistance Unbalance	:	200 mW
Dielectric Strength	:	
Conductor to Shield	:	5kv DC for 2 seconds

## Environmental Specifications

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
Smoke Density Test	:	IEC 61034
Packing	:	305 Meters in Wooden Reel
Printing	:	4PR 23 AWG SFUTP LSZH Solid Cable Cat6A 500MHz MM/YYYY XXXM

## Compliances / Certifications

UL Listed  
ETL Verified  
RoHS Directives 2002/95/EC

## Ordering Information

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Part No:	Description
NYS-CCAB-CAT6A-FTP-LSZH	High Speed 10 Gigabit Ethernet FTP 500 MHz Class EA LSZH Cable, C6A

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