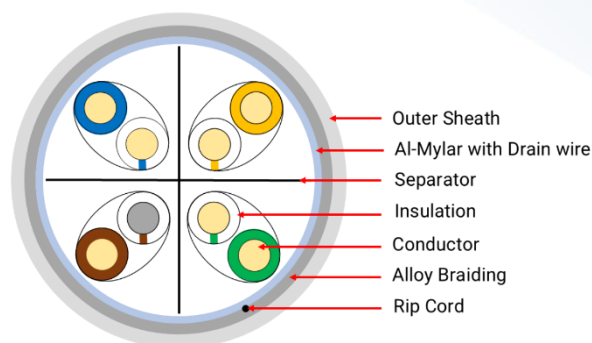


# Category 6 SF-UTP Cable – FRLSZH



High Speed Gigabit Ethernet UTP 250 MHz Class E / Category 6 Cable Consists of HDPE Insulated 8 x 23AWG Solid Bare Electrolytic Grade Copper Conductors Twisted as 4 Pairs, Al-Mylar Tape with Drain Wire, overall Aluminum braiding and FRLSZH Outer Jacket. This Cable is Suitable for Gigabit Ethernet (1000Base-T) applications for High-Speed Data, Voice & Video Signals over LANs, Server Farms and Other Bandwidth Sensitive Indoor Applications.

## Features

- Complies to ANSI-TIA 568.2-D for Category 6 & ISO/IEC 11801 for Class E
- Fire Rating as per IEC 60332-1
- Cable Characterized up to 250 MHz
- Shielded with Al-Mylar Tape with Drain Wire
- Overall Alloy Braiding
- Maximum throughput, reliability and performance
- Covered under 3C3® Performance Warranty

## Constructional Specifications

Conductor AWG	: 23
Conductor Material	: Solid bare Copper
Conductor Count	: 8
Insulation Material	: Polyethylene
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
Shielding #1	: Al-Mylar Tape with Drain Wire (100% coverage, 30% overlap)
Shielding #2	: Alloy Braiding (35% coverage)
Outer Sheath	: FRLSZH
Outer Sheath Color	: Grey
Outer Sheath Thickness	: 0.6mm
Overall cable diameter	: 7.20mm
Cross filler	: HDPE
Rip Cord	: Yes

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## Electrical Specifications

Characteristic Impedance	: 100Ω±15%
Conductor Resistance (DC)	: ≤9.38Ω/100m
Resistance Unbalance	: 5% max
Mutual Capacitance	: <5.6nF
Capacitance Unbalance	: 330pF
Delay Skew	: <45ns
NVP	: 69%
Bending radius	: 4X cable diameter
Pulling force	: 11.5kg

Frequency	Max. IL (dB)	Min. NEXT (dB)	Min PSNEXT (dB)	Min ACRF (dB)	Min PSACRF (dB)	Min RL (dB)
250MHz	<32.8	>38.3	>36.3	>19.8	>16.8	>17.3

## Environmental Specifications

Installation Temperature	: 0°C to 60°C
Storage Temperature	: -20°C to +75°C
Operating Temperature	: -20°C to +60°C

## Flame Properties

Flammability Test	: IEC 60332-1
Acid Gas Emission Test	: IEC 60754-1
Smoke Density Test	: ASTM 2843

## Standard Compliances/Certifications

- RoHS Certified

## Ordering Information

Product Code	Description
86225-009-0000	High Speed Gigabit Ethernet SF-UTP 250 MHz Class E FRLSZH Cable, C6