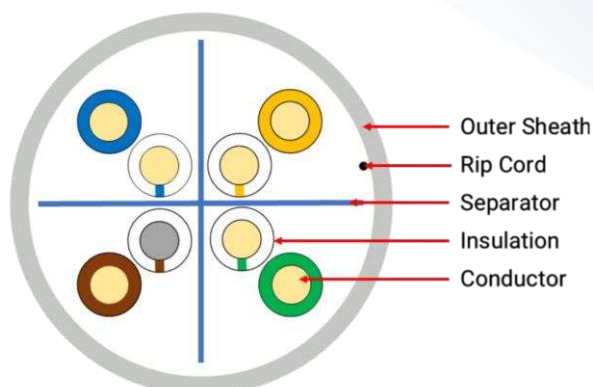


Category 6 UTP Cable – FRLSZH



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, Rip Cord 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 resistance outer jacket
- Maximum throughput, reliability and performance
- 4 Pair Separator Design
- Covered under 3C3® Performance Warranty

Mechanical Specifications

Conductor AWG	: 23
Conductor Material	: Solid bare Copper
Conductor Count	: 8
Insulation Material	: High Density 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
Drain Wire	: No
Outer Sheath	: FRLSZH
Outer Sheath Color	: Grey
Outer Sheath Thickness	: 0.6mm
Overall cable diameter	: 5.9±0.30mm
RIP Cord	: Yes
Cross filler	: HDPE
Packing	: Reel of 305 Meters

Category 6 UTP Cable – FRLSZH

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
Maximum propagation delay @250MHz	:	490ns

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 50°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
86205-005-0000	High Speed Gigabit Ethernet UTP 250 MHz Class E FRLSZH Cable, C6