

# Category 8 (2000 MHz) S/FTP Cables



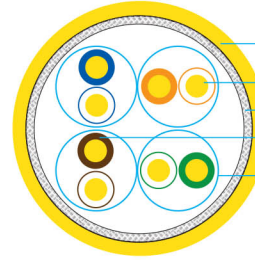
## STANDARD

- ANSI/TIA-568.2-D Category 8
- IEC 61156-9 Category 8.2
- ISO/IEC TR 11801-9901 Class I
- IEC 60754-1, IEC 60754-2
- IEC61034-1, IEC 60332-1-2
- RoHS Compliant



## APPLICATION

- 40G BASE-T ( IEEE 802.3bq 40Gigabit Ethernet )
- 25G BASE-T ( IEEE802.3bq 25Gigabit Ethernet )
- 10G BASE-T ( IEEE 802.3an 10Gigabit Ethernet )
- 1000 BASE-T ( IEEE 802.3ab Gigabit Ethernet )
- 100 BASE-TX ( IEEE 802.3u Fast Ethernet )
- 10 BASE-T ( IEEE 802.3 Ethernet )
- 155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- POE, POE+ ( IEEE 802.3af, IEEE 802.3at )
- POE++ ( IEEE 802.3bt )
- TP-PMD, TPDDI, ISDN, VoIP
- Analog & Digital Voice, Digital & Analog Video



- Jacket
- Conductor
- Braid Shield
- Insulation
- Aluminum Mylar Tape

## ELECTRICAL CHARACTERS

- Capacitance, Unbalance** : 99 pF Max/30m
- DC Resistance** : 2.1 ohm Max/30m
- DC Resistance, Unbalance** : 4% Max.
- Insulated Resistance** : 5000 MΩ/Km
- Dielectric Strength** : 1.7kV/2 sec
- Propagation Delay** : 160.2 ns/30m Max @2000MHz
- Delay Skew** : 13.5 ns Max

## CONSTRUCTION / MATERIAL

- Conductor** : 22AWG Solid Bare Copper
- Insulation** : Foam/Skin HDPE
- Individual Shield** : AL-Mylar Tape
- Overall Shield** : Braid Shield Coverage (TC)
- Jacket** : FR-LSZH

FREQUENCY (MHZ)	INSERTION LOSS (dB/30m)	NEXT MIN.(dB)	PS NEXT MIN.(dB)	ACR-F MIN.(dB/100m)	PS ACR-F MIN.(dB/100m)	TCL MIN.(dB)	RL MIN.(dB)
1	2.0	75.3	72.3	75.0	76.0	40.0	20.0
16	2.2	57.2	54.2	54.9	51.9	31.9	25.0
100	5.6	45.3	42.3	39.0	36.0	20.0	22.2
250	8.9	39.3	36.3	31.0	28.0	14.0	19.4
500	12.8	34.8	31.8	25.0	22.0	9.5	17.3
600	14.1	33.6	30.6	23.4	20.4	8.3	14.1
1000	18.6	30.3	27.3	19.0	16.0	7.0	18.6
1500	23.2	27.7	24.7	15.5	12.5	7.0	23.2
2000	27.2	25.8	22.8	13.0	10.0	7.0	27.2

## MECHANICAL PROPERTIES

### Minimum Bending Radius

- Install : 8 X Cable Diameter
- After Install : 4 X Cable Diameter

### Tensile Strength

110 N (25lbf)

### Ultimate Breaking Strength

>400N (90lbf)

### Installation / Operating temperature

-20°C to 60°C

### Storage Temperature

-20°C to 80°C

Part No.	UL/NEC Flame Rating	Conductor	Jacket	Diameter (mm.)	Color	Packaging
US-9488LSZH	LSZH	22AWG Solid Bare Copper	FR-LSZH	8.4	Yellow	305m/Reel