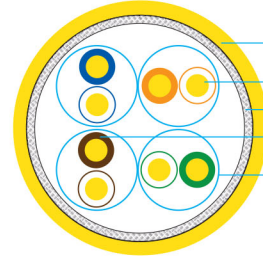


STANDARD

- 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)
- 10/100/1000 BASE-T (IEEE 802.3i/u/ab)
- 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

Installation 8 X Cable Diameter

Tensile Strength

Operation 4 X Cable Diameter

Ultimate Breaking Strength

110 N (25lbf)

Installation / Operating temperature

>400N (90lbf)

Storage Temperature

-20°C to 60°C

-20°C to 80°C

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