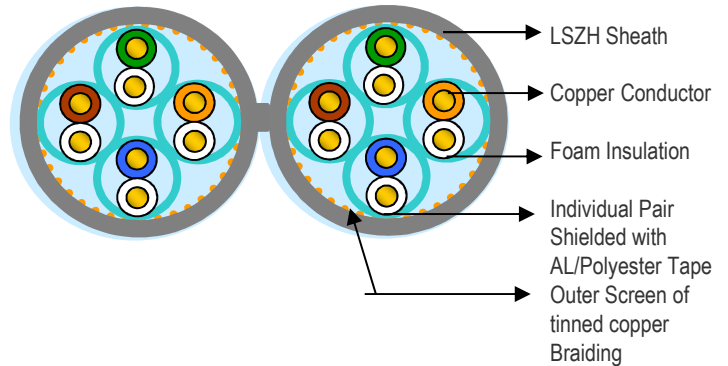


### APPLICATION

- All Ethernet applications which includes
  - 10/100/1000 Base T or 1000 Base TX
  - 10 G Base – T
  - Voice, Data , CATV & Cable transmission performance is tested up to 600 MHz
- Complied to ISO IEC 11801 : 2011 Class F cabling , IEC 61156-5

### CONSTRUCTION

- Conductor : 23 AWG Solid bare Copper
- Insulation : High Density Polyethylene Foam
- Pairs : 2 Insulated conductors twisted together
- Shield : Individual Pair Shielded with Aluminum / Polyester Tape
- Overall Shield : Tinned Copper Braiding



Braiding Coverage : 30% Min.

Sheath : LSZH

Cable Diameter : 7.5 ( ± 0.3 ) x 15.5 ( ± 0.5 ) mm

Printing : Each meter printed with  
STERLITE CATEGORY 7 S/FTP DUPLEX 4/23 AWG LSZH IEC61156-5 Month/Year XXX M  
OR As per Customer Request

### COLOUR CODE

<u>PAIR NO</u>	<u>COLOUR</u>
1-2	White & Orange
3-6	White & Green
4-5	White & Blue
7-8	White & Brown

### ELECTRICAL PROPERTIES

D.C Loop Resistance :  $\leq 25 \Omega/100m$   
Resistance Unbalance : 3% Max

Issued Date : 24.06.2019

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Head Development

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### CONTACT

**Works:** Survey No. 33/1/1, Wagdhara Road, Dadra Union Territory of Dadra & Nagar Haveli Silvassa-396230 INDIA Tel: +912606613817 Fax: +912606613801



## Transmission Characteristics – ISO/IEC 11801 90M PERMANENT LINK

Frequency (MHz)	Insertion Loss Max. (dB/100m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. RL (dB)	Min. ACRF (dB)	Min. PSACRF (dB)
1	4.0	65.0	62.0	21.0	65.0	62.0
16	6.9	65.0	62.0	20.0	59.3	56.3
100	17.7	65.0	62.0	14.0	46.0	43.0
250	28.8	60.4	57.4	10.0	39.2	36.2
500	42.1	55.9	52.9	10.0	34.0	31.0
600	46.6	54.7	51.7	10.0	32.6	29.6

Cable can be tested up to 1000 MHz and results can be shared on special request

### MECHANICAL PROPERTIES

Bending Radius : < 16 x Cable Diameter  
Pulling Force : 11.5Kgs  
Temperature Range  
Installation : 0° to + 50°C  
Operation : -20° to +70°C

### FIRE PROPERTIES

Flame Retardant comply to IEC 60332 -1  
Halogen Free Comply to IEC 60754  
Complied to Euro Class Dca-s2-d2-a1

### CABLE FEATURES

✓ Individual Foil shield gives higher protection against cross talk  
✓ Overall shield reduces EMI

### CABLE COLOR

Cable is available in  
Grey, Natural, Orange, Violet Or as per Customer's Request

### CONNECTION SYSTEM

Compatible with all common systems according to  
ISO/IEC 11801: 2011 , IEC 61156-5

### PACKING

Available in 305m/500m reels or as per customer requirement

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Note: Reserve the right to change the construction without any notice.

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