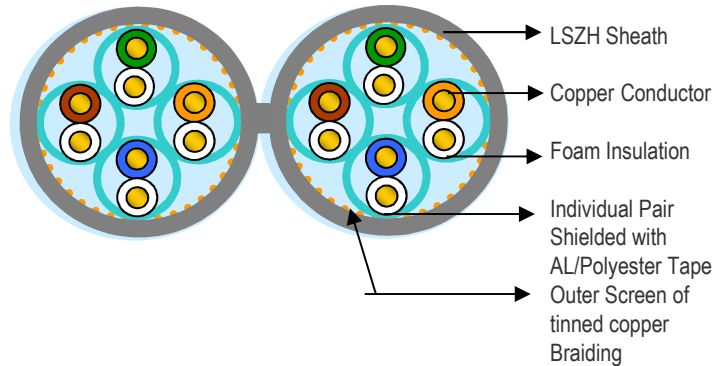


**APPLICATION**

- 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 1000 MHz
- Complied to ISO IEC 11801 : 2011 Class F cabling , IEC 61156-5

**CONSTRUCTION**

- Conductor : 22 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 : 7.8 ( ± 0.4 ) x 16.3 ( ± 0.5 ) mm

Printing : Each meter printed with

**STERLITE CATEGORY 7A S/FTP DUPLEX 4/22 AWG ISO/IEC 11801 IEC 61156-5 DD/MM/YYYY XXXX M**  
 OR As per Customer Request

**COLOUR CODE**

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

**ELECTRICAL PROPERTIES**

- D.C Loop Resistance : ≤ 25 Ω/100m
- Resistance Unbalance : 3% Max

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 Head Development

**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)	RL (dB) Min	IL (dB) Max	NEXT (dB) Min	PSNEXT (dB) Min	ACRF (dB) Min	PSACRF (dB) Min	Propagation Delay (ns) Max	Delay Skew (ns) Max
1	21	4	65	62	65	62	521	26
16	20	6.8	65	62	64.7	61.7	496	26
100	14	17.3	65	62	48.8	45.8	491	26
250	10	27.7	61.7	58.7	40.8	37.8	490	26
500	10	39.8	56.1	53.1	34.8	31.8	490	26
600	10	43.9	54.7	51.7	33.2	30.2	489	26
1000	8	57.6	49.1	46.1	28.8	25.8	489	26

Cable can be tested up to 1500 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

### FLAME PROPERTIES

Flammability Test – IEC 60332-1  
Acid Gas Emission Test – IEC 60754-1  
Flame requirements meets 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 305meter reels or as per customer requirement

Issued Date : 07.07.2019

Approved and Issued By

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

Head Development

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