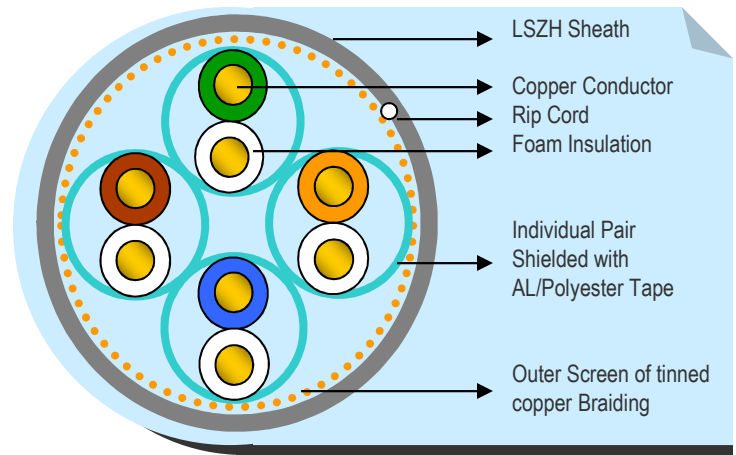


APPLICATION

- 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_A 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 : 7.9 ± 0.3 mm

Printing : Each meter printed with

STERLITE CATEGORY 7A S/FTP LSZH IEC 61156-5 4/22 AWG DD/MM/YYYY XXXX M

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

CABLE COLOR

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

ELECTRICAL PROPERTIES

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

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Transmission Characteristics – IEC 61156-5

Frequency (MHz)	Insertion Loss Max.(db/100 m)	PR- PR Min. NEXT (db)	Min. PSNEXT (db)	Min. RL (dB)	Min. ELFEXT (db)	Min. PSELFEXT (db)	Propagation Delay (nS)	Delay Skew (nS)
4	3.7	78.0	75.0	23.0	78.0	75.0	538	25
10	5.8	78.0	75.0	25	74.0	71.0	538	25
20	8.2	78.0	75.0	25.0	68.0	65.0	538	25
31.25	10.3	78.0	75.0	23.6	64.1	61.1	538	25
62.5	14.6	78.0	75.0	21.5	58.1	55.1	538	25
100	18.5	75.4	72.4	20.1	54.0	51.0	538	25
250	29.7	69.4	66.4	17.3	46.0	43.0	538	25
300	32.7	68.2	65.2	17.3	44.5	41.5	538	25
400	38.0	66.4	63.4	17.3	42.0	39.0	538	25
500	42.8	64.9	61.9	17.3	40.0	37.0	538	25
600	47.1	63.7	60.7	17.3	38.4	35.4	539	25
700	51.1	62.7	59.7	16.6	37.1	34.1	539	25
800	54.9	61.9	58.9	16.1	35.9	32.9	539	25
900	58.5	61.1	58.1	15.5	34.9	31.9	539	25
1000	61.9	60.4	57.4	15.1	34.0	31.0	539	25

Cable tested up to 1500 MHz and results can be shared on special request

MECHANICAL PROPERTIES

Bending Radius : < 8 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

CONNECTION SYSTEM

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

PACKING

Available in 500 meter 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

CONTACT

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