

Cat7 S/FTP Cable
Part No: SLITE- 4205

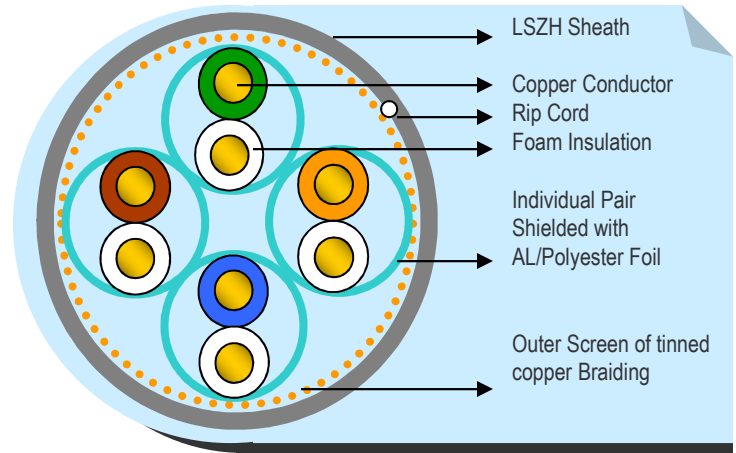
STL/Cat7/S/FTP/4205
Iss/Rev : 01/05

APPLICATION

- All Ethernet applications which includes
 - 10/100/1000 Base T or 1000 Base TX
 - 10 G Base – T
 - Voice, Data , CATV & All sharing application up to 600 MHz
- Complied to ISO IEC 11801, Class F cabling , IEC 61156-5

CONSTRUCTION

- Conductor : 23 AWG Solid bare Copper
- Insulation : Foam High Density Polyethylene
- Pairs : 2 Insulated conductors twisted together
- Shield : Individual Pair Shielded with Aluminum / Polyester Foil
- Overall Shield : Tinned Copper Braiding
Braiding Coverage : 30% Min.
- Sheath : LSZH



Cable Diameter : 7.4 ± 0.3 mm

Printing : Each meter printed with
STERLITE CATEGORY 7 S/FTP 4/23 AWG IEC 61156-5 LSZH 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	: ≤ 21 Ω/100m
Mutual Capacitance	: < 5.6nF/100m
Resistance Unbalance	: 2% Max
Capacitance Unbalance	: 330pF/100m
Delay Skew	: < 30nS

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Electrical 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. PSELFEX T (db)
1	2.0	78.0	75.0	20	--	--
4	3.7	78.0	75.0	23.0	78.0	75.0
10	5.9	78.0	75.0	25	75.3	72.3
20	8.3	78.0	75.0	25	69.3	66.3
31.25	10.4	78.0	75.0	23.6	65.4	62.4
62.5	14.9	75.5	72.5	21.5	59.4	56.4
100	19.0	72.4	69.4	20.1	55.3	52.3
250	31.0	66.4	63.4	17.3	47.3	44.3
300	34.2	65.2	62.2	17.3	45.8	42.8
400	40.0	63.4	60.4	17.3	43.3	40.3
500	45.3	61.9	58.9	17.3	41.3	38.3
600	50.1	60.7	57.7	17.3	39.7	36.7

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

MECHANICAL PROPERTIES

Bending Radius : < 8 x Cable Diameter at $-20^{\circ}\text{C} \pm 1^{\circ}\text{C}$
Pulling Force : 11.5 Kgs
Temperature Range
Installation : 0° to $+50^{\circ}\text{C}$
Operation : -20° to $+70^{\circ}\text{C}$

FIRE PROPERTIES

Flame Retardant comply to IEC 60332-1
Meets Euro Class Dca-s2-d2-a1

CABLE FEATURES

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

CABLE COLOR

Grey ,Violet or As per customer Request

CONNECTION SYSTEM

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

PACKING

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

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CONTACT

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