

Cat8 S/FTP Data Cable

APPLICATION

- All Ethernet applications which includes 10/100/1000 Base T or 1000 Base TX, 10 G Base – T, 25G and 40G Base –T
- Suitable for switch to server connection in Data Centers application till 2000 MHz
- 30 Meter Channel performance complied to ANSI/TIA 568C.2.1

Conductor:	22 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 with 40% Min braiding Coverage
Sheath:	LSZH
Cable Diameter:	8.5+ 0.3 mm
Printing:	Each meter printed with

25 years system warranty available

APPLICATION

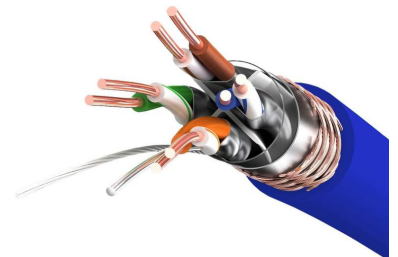
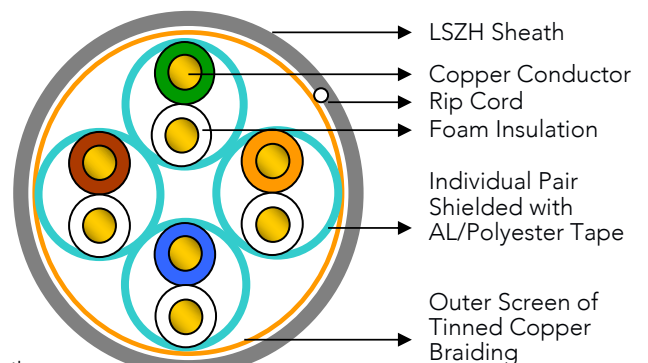
Flame Retardant comply to IEC 60332 P1/P2
Halogen Free Comply to IEC 60754 P1

CABLE FEATURES

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

CABLE COLOR

Cable is available in
Grey , Natural, Violet colors.



COLOUR CODE

PAIR	SPECIFICATIONS
1	Blue / White – Blue
2	Orange / White - Orange
3	Green / White - Green
4	Brown / White - Brown

ELECTRICAL PROPERTIES

D.C Loop Resistance	< 2.4 /30m
Resistance Unbalance	: 4% Max
Delay Skew	< 13.5 nS

MECHANICAL PROPERTIES

Bending Radius	< 8 x Cable Diameter
Pulling Force	11.5kg
Temperature Range	-20° to +70°C

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TRANSMISSION/CHARACTERISTICS - 100M

Frequency	RL (dB) Min.	IL (dB) Max.	NEXT (Min) dB	PSNEXT (dB) Min.	ACRF (dB) Min.	PSACRF (dB) Min.	Prop.Delay (Max) ns / 30 m
1	20.0	2.0	75.3	72.3	79.0	76.0	171.0
4	23.0	2.0	66.3	63.3	67.0	64.0	165.5
8	24.5	2.0	61.8	58.8	60.9	57.9	163.9
10	25.0	2.0	60.3	57.3	59.0	56.0	163.5
16	25.0	2.2	57.2	54.2	54.9	51.9	162.8
20	25.0	2.5	55.8	52.8	53.0	50.0	162.5
25	25.0	2.8	54.3	51.3	51.0	48.0	162.2
31.25	25.0	3.1	52.9	49.9	49.1	46.1	162.0
62.5	23.6	4.4	48.4	45.4	43.1	40.1	161.4
100	22.2	5.6	45.3	42.3	39.0	36.0	161.1
200	20.1	7.9	40.8	37.8	33.0	30.0	160.8
250	19.4	8.9	39.3	36.3	31.0	28.0	160.7
300	18.9	9.8	38.1	35.1	29.5	26.5	160.6
400	18.0	11.4	36.3	33.3	27.0	24.0	160.6
500	17.3	12.8	34.8	31.8	25.0	22.0	160.5
600	16.8	14.1	33.6	30.6	23.4	20.4	160.4
1000	15.2	18.6	30.3	27.3	19.0	16.0	160.3
1500	14.0	23.2	27.7	24.7	15.5	12.5	160.3
2000	13.1	27.2	25.8	22.8	13.0	10.0	160.2

CONNECTION SYSTEM

Compatible with all common systems according to
ISO/IEC 11801: 2011

PACKING

Available in 305meter reels or as per customer requirement

PART NO.	PRODUCT DESCRIPTION	Outer Diameter (mm nom.)
MK-C8SF22L	CAT8 4x2x22 AWG S/FTP, LSZH	8.5

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