

estelan

Cat7 S/FTP Cable



Application:

All Ethernet applications which includes

- 10/100/1000 Base T or 1000 Base TX
- 10GBASE-T
- Voice, Data, CATV & all sharing application up to 600 MHz complied to ISO IEC 11801, Class F cabling, IEC 61156-5

Standards:

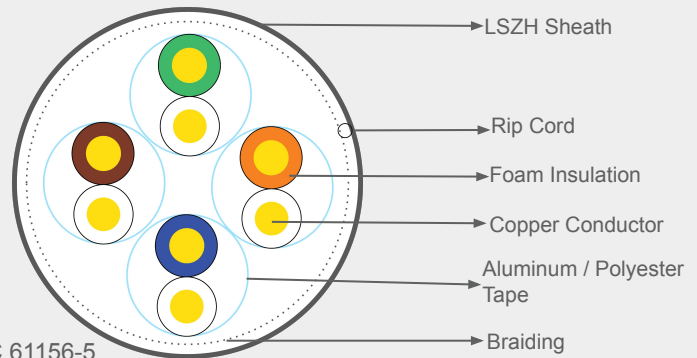
- Compatible with all common systems according to ISO/IEC 11801, IEC 61156-5
- IEEE 802.3 af / at / bt

Flame Resistance:

Flame Retardant - IEC 60332-1

Acid Gas Emission Test – IEC 60754-1 & 2, Smoke Density Test – IEC 61034-2, meets

Euro class Eca



Construction:

Conductor	23 AWG Solid bare Copper
Insulation	Skin-Foam-Skin Polyethylene
Pairs	2 Insulated conductors twisted together
Shield	Individual Pair Shielded with Aluminum - Polyester Foil
Overall Shield	Tinned Copper Braiding
Sheath	LSZH
Cable Diameter	7.6 ± 0.3 mm

Mechanical Properties:

Bending Radius : < 8 x Cable Diameter at -20°C ± 1°C

Pulling Force : 11.5 Kg

Temperature Range

Operation : -20° to +70°C

Installation : 0° to + 50°C

Electrical Properties:

D.C Resistance	: ≤ 9.5 Ω/100m	Capacitance Unbalance	: 160pF/100m
Mutual Capacitance	: < 5.6nF/100m	Delay Skew	: < 25nS
Resistance Unbalance	: 2% Max		

Transmission Characteristics – IEC 61156-5

Freq. (MHz)	Insertion Loss Max (dB/100m)	PR- PR Min. NEXT (dB)	Min. PSNEXT (dB)	Min. RL (dB)	Min. ELFEXT (dB)	Min. PSELFEXT (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

Color Code:

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

Jacket Color (C1 C2):

 Grey (01)	 Blue (02)
 Red (03)	 White (04)
 Violet (05)	 Orange (06)
 Yellow (07)	

Packing (P1 P2): Available in 305M (04) /500M (05) reels.

Product Code / Part No:

Part No	Product Name	Euro Class
42627-C1C2P1P2	Cat7 S/FTP Cable	CPR-Eca

Refer to Jacket Color and Packaging details for C1C2 and P1P2 respectively.

Note: Higher CPR category will be made available on demand

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