estelan
Cat7 S/FTP Cable

CPR COMPLIANT — Construction Products Regulation EN 50575

PoE

- LSZH Sheath
- Copper Conductor
- Rip Cord
- Foam Insulation
- Individual Pair Shielded with AL/Polyester Tape
- Outer Screen of tinned copper Braiding

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
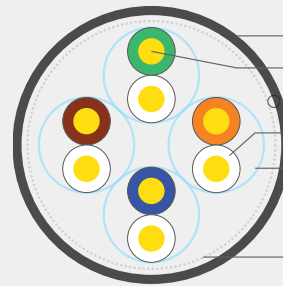
Standards:

- Compatible with all common systems according to ISO/IEC 11801 , IEC 61156-5
- IEEE 802.3af / 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 0.560 ± 0.010 mm
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
Printing	Each meter printed with "Customer Specific Print Legend"

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 (C_1 C_2):

Cable is available in

Grey **(01)**

Packing (P_1 P_2):
Available in 305M **(04)** /500M **(05)** reels.

Product Code / Part No:

Part No	Product Name	Euro Class
42627-$C_1C_2P_1P_2$	Cat7 S/FTP Cable	CPR-Eca

Refer to Jacket Color and Packaging details for C_1C_2 and P_1P_2 respectively.

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