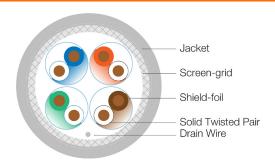


Part no. SSTP4-C6-SOLID-INDOOR -XX-305

Category 6 Shielded S/FTP, 23AWG Indoor Solid Bare Copper Cable



PRODUCT DESCRIPTION

 Hyperline brings Category 6 S/FTP performance to a new level. The cable consists of 4 individually foil shielded twisted pairs cabled together with drain wire, overall braid shielded and jacketed with FR-PVC compound. When compared to typical values; meets or surpasses the specifications in every category.

PERFORMANCE COMPLIANCE

- IEC 61156
- ISO/IEC 11801
- TIA/EIA-568
- IEC 60332-1
- UL 1581 VW-1

APPLICATIONS

- Structured cabling for horizontal and building backbone cable.
- Transmission of digital and analogue for data, video and audio applications.
- Overall metal shielded providing good protection from EMI noise.

FEATURES

- High performance rate of transmission
- High quality of safety property
- Meets/exceeds ANSI/TIA-568-C.2 specification
- Quick Count marking system in feet
- Lower cross talk

PHYSICAL & ELECTRICAL CHARACTERISTICS

Frequency Range:	1 - 250 MHz
Impedance:	100 Ω
Coupling Attenuation:	Type I
Max. Resistance Unbalance:	2 %
Capacitance Unbalance:	1.2 pF/m max.
Velocity of Propagation:	78 % nom.
Propagation Delay Skew:	35 ns/100m max.
Dielectric Strength:	700 V/minute
Dielectric Strength to Shield:	700 V/minute
Min. Insulation Resistance:	5 GΩ •km
Max. Tensile Strength - Short Term:	120 N
Min. Bend Radius:	55 mm
Max. Operating Temperature:	+70 °C
Min. Operating Temperature:	-30 °C



ELECTRICAL PERFORMANCE COMPARISON (At 20 °C)

	INSERTIO	ON LOSS	NEXT		PS.NEXT		ACR	
Eroguenov	Typical	Hyperline	Typical	Hyperline	Typical	Hyperline	Typical	Hyperline
Frequency (MHz)	Max. dB/100m							
1	2.0	2.8	93.0	75.3	90.0	72.3	93.0	68.0
4	3.7	3.8	88.0	66.3	85.0	63.3	93.0	56.0
10	5.7	6.0	88.0	60.4	85.0	57.3	83.0	48.0
20	8.1	8.5	88.0	55.8	85.0	52.8	83.0	42.0
30	10.0	10.5	88.0	53.1	85.0	50.1	73.0	38.5
100	19.0	19.9	83.0	45.3	80.0	42.3	66.0	28.0
150	23.6	24.9	83.0	42.7	80.0	39.7	63.0	24.5
200	27.7	29.1	83.0	40.8	80.0	37.8	61.0	22.0
250	31.4	33.0	80.0	39.3	77.0	36.3	58.0	20.0

	PS.A	CRF	RETURN LOSS		
Frequency (MHz)	Typical	Hyperline	Typical	Hyperline	
	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	
1	90.0	65.0	22.0	20.0	
4	90.0	53.0	25.0	23.0	
10	80.0	45.0	28.0	25.0	
20	80.0	39.0	28.0	25.0	
30	70.0	35.5	27.0	23.8	
100	63.0	25.0	24.0	21.1	
150	60.0	21.5	22.0	18.8	
200	58.0	19.0	21.0	18.0	
250	55.0	17.0	20.0	17.3	

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DESIGN & MATERIALS

Conductor Material:	Bare Copper	
Conductor Size:	23 AWG	
Conductor Construction:	Solid	
Insulation Material:	SFS PO	
Insulation O.D.:	1.31 mm nom.	
Color code:	Per TIA/EIA 568-B	
Shield Material:	Aluminum/Polyester Foil	
Shield Design:	Aluminum face outwards	
Overall Shield Design:	Braid	
Overall Shield Material:	Tinned-copper braid	
Overall Braid Shield:	Yes	
Overall Braid Material:	Tinned Copper	
Braid Coverage:	45 % nom.	
Overall Drain-wire Material:	Tinned Copper	
Overall Drain-wire size:	0.41 mm	
Overall Drain-wire Construction:	Solid	
Outer Jacket Color:	Per Hyperline Standard	

CONSTRUCTION

Rip cord	Material	Polyester multi-yarn
Nominal Velocity of Propagation	(NVP) 69%	
NRTL Program	c(UL)us listed ETL Verified	
Marking	Per Hyperline Standard	

ORDERING

Part Number	Product Description
SSTP4-C6-SOLID-INDOOR-WH-305	Category 6, S/FTP, 23 AWG, Grey 305 Meter Reel

