



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)

Frequency (MHz)	INSERTION LOSS		NEXT		PS.NEXT		ACR	
	Typical	Hyperline	Typical	Hyperline	Typical	Hyperline	Typical	Hyperline
	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	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

Frequency (MHz)	PS.ACRF		RETURN LOSS	
	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



Toll Free: +1-866-634-9737

www.hyperline.com | info@hyperline.com



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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



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