



PRODUCT DESCRIPTION

- This cable contains 4 individually foil-shielded twisted pairs (aluminum face upward), cabled together, overall braid-shielded and jacketed with FR-PVC compound. It conforms to IEC 61156-5 Cat. 7 tested up to 600 MHz, Cat. 6A Cat. 6, and Cat. 5e requirements.

STANDARDS

- IEC 61156, RoHS-2 2011/65/EU
- Flamability Rating: IEC 60332-1, UL 1581 VW-1, UL CMG

APPLICATIONS

- High bandwidth digital applications with low BER, High data rates, Low temperature, outdoor fixed installations, Indoor/Outdoor use, fixed installations, Low temperature Indoor/Outdoor applications, Outdoor installations

FEATURES

Frequency Range:	1 - 600 MHz
Impedance:	100 Ω
Coupling Attenuation:	Type I
Max. DC Resistance :	73 Ω/km@20°C
Max. Resistance Unbalance:	2 %
Capacitance:	1.2 pF/m
Velocity of Propagation:	78 % nom.
Propagation Delay Skew:	20 ns/100m max.
Dielectric Strength:	700 V/minute
Dielectric Strength to Shield:	700 V/minute
Min. Insulation Resistance :	5 GΩ•km
Tensile Strength - Short Term:	180 N max.
Min. Bend Radius:	90 mm
Max. Operating Temperature:	+ 70 °C
Min. Operating Temperature:	- 40 °C
UV resistance:	Yes

DESIGN & MATERIALS

Conductor Material:	Annealed Bare Copper
Conductor Size:	23 AWG
Conductor Construction:	Solid
Insulation O.D.:	1.38 mm nom.
Color Code:	Per TIA/EIA 568-B
Ind. Shield Material:	Aluminum/Polyester Foil
Ind. Shield Design:	100% Coverage
Conductor unit lay-up:	Pairs
Drain-wire 2 Construction:	Solid
Drain-wire 3 Construction:	Solid
Overall Shield Material:	Tinned-copper braid
Overall Braid Shield:	Yes
Braid Coverage:	45 % nom.
Overall Drain-wire Material:	Annealed Tinned Copper
Overall Drain-wire size:	0.41 mm
Overall Drain-wire Construction:	Solid
Inner Jacket Material:	FR-LSZH
Inner Jacket Diameter nom.:	7.5 mm nom
Inner Jacket Color:	Red
Total number of conductors:	8
Rip-Cord:	Yes
Outer Jacket Color:	Black



ELECTRICAL PERFORMANCE COMPARISON (At 20 °C)

Frequency (MHz)	INSERTION LOSS		PS NEXT		Next Loss	
	Typical	Hyperline	Typical	Hyperline	Typical	Hyperline
	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m	Max. dB/100m
1	2.0	2.0	105.0	99.4	108.0	102.4
4	3.6	3.7	98.0	90.4	101.0	93.4
10	5.6	5.8	95.0	84.4	98.0	87.4
20	7.9	8.3	90.0	80.0	93.0	83.0
30	9.7	10.2	85.0	77.2	88.0	80.2
100	18.0	19.0	80.0	69.4	83.0	72.4
150	22.4	23.6	78.0	66.7	81.0	69.7
200	26.0	27.5	78.0	65.0	81.0	68.0
250	29.4	31.0	75.0	63.4	78.0	66.4
300	32.5	34.2	75.0	62.2	78.0	65.2
400	38.0	40.0	70.0	60.4	73.0	63.4
500	43.0	45.2	70.0	58.9	73.0	61.9
600	47.6	50.1	70.0	57.7	73.0	60.7

Frequency (MHz)	Return Loss		PS ANEXT dB		PS ELFEXT dB		ELFEXT dB	
	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	22.0	20.0	68.0	N/A	95.0	75.0	98.0	78.0
4	25.0	23.0	68.0	N/A	90.0	75.0	93.0	78.0
10	28.0	25.0	68.0	N/A	86.0	71.0	89.0	74.0
20	28.0	25.0	68.0	N/A	80.0	65.0	83.0	68.0
30	27.0	23.8	68.0	N/A	76.0	61.5	79.0	64.5
100	24.0	21.1	68.0	N/A	66.0	51.0	69.0	54.0
150	22.0	18.8	65.0	N/A	63.0	47.5	66.0	50.5
200	21.0	18.0	65.0	N/A	60.0	45.0	63.0	48.0
250	20.0	17.3	62.0	N/A	58.0	43.0	61.0	46.0
300	19.0	17.3	62.0	N/A	52.0	41.5	55.0	44.5
400	19.0	17.3	62.0	N/A	49.0	38.9	52.0	41.9
500	19.0	17.3	62.0	N/A	47.0	37.0	50.0	40.0
600	19.0	17.3	62.0	N/A	45.0	35.4	48.0	38.4

ORDERING

Part Number	Product Description
SSTP4-C7-SOLID-OUTDOOR-BK-305	Category 7 Indoor/outdoor, 23 AWG, Shield 305 Meter/1000 FT Reel, Black



Toll Free: +1-866-634-9737

www.hyperline.com | info@hyperline.com



Toll Free: +1-888-497-3748