Cat. 7 600 Mhz 4x(2x26 AWG) S/FTP PU Indoor/Outdoor

Applications:	Indoor/Outdoor use, fixed installations, High data rates, Work area cabling, Fixed or portable installations, Indoor use, portable installations, Patch cord, Outdoor installations in harsh environments
General Construction:	The cable contains 4 individually foil-shielded twisted pairs, cabled,and overall braid-shielded, and jacketed with PU UV resistant compound. The cable conforms to IEC 61156-6, Cat. 5e, Cat. 6, Cat.6 $_A$ and Cat. 7 requirements for shielded pairs of stranded conductors. compatible with RJ-45 modular plugs.
Conductor Size:	7x0.17 mm
Outer Jacket Material:	PU
Outer Diameter:	6.5 mm nom.
Weight:	45 kg/km

Design & Materials

Conductor Material:	Bare Copper
Conductor Size:	26 AWG
Conductor Construction:	Stranded
Insulation Material:	PO
Insulation O.D.:	1.0 mm nom.
Color code:	Per TIA/EIA 568-B
Ind. Shield Material:	Aluminum/Polyester Foil
Ind. Shield Design:	Aluminum face outwards
Conductor unit lay-up:	Pairs
Overall Braid Shield:	Yes
Overall Braid Material:	Tinned Copper
Braid Coverage:	60 %
Total number of wires:	8
Outer Jacket Color:	Black - or per request
Marking:	Teldor Standard, Per request

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Standards

Flamability Rating:	IEC 60332-1
Standards:	IEC 61156, ISO/IEC 11801, RoHS 2002/95/EC

Electrical Properties:
Cat. 7 Work Area Cables *

Freq. MHz	Attenuation dB/100m 20°C		PS NEXT Loss dB		NEXT Loss dB		RL dB		PS ANEXT dB		PS ELFEXT dB		ELFEXT dB	
	Typical Value	Cat. 7	Typical Value	Cat. 7	Typical Value	Cat. 7	Typical Value	Cat. 7	Typical Value	Cat. 7	Typical Value	Cat. 7	Typical Value	Cat. 7
1	2.9	3.0	105.0	99.4	108.0	102.4	22.0	20.0	68.0	N/A	95.0	75.0	98.0	78.0
4	5.4	5.6	98.0	90.4	101.0	93.4	25.0	23.0	68.0	N/A	90.0	75.0	93.0	78.0
10	8.5	8.8	95.0	84.4	98.0	87.4	28.0	25.0	68.0	N/A	86.0	71.0	89.0	74.0
20	12.1	12.4	90.0	80.0	93.0	83.0	28.0	25.0	68.0	N/A	80.0	65.0	83.0	68.0
30	14.8	15.3	85.0	77.2	88.0	80.2	27.0	23.8	68.0	N/A	76.0	61.5	79.0	64.5
100	27.7	28.5	80.0	69.4	83.0	72.4	24.0	21.1	68.0	N/A	66.0	51.0	69.0	54.0
150	34.3	35.3	78.0	66.7	81.0	69.7	22.0	18.8	65.0	N/A	63.0	47.5	66.0	50.5
200	40.0	41.2	78.0	65.0	81.0	68.0	21.0	18.0	65.0	N/A	60.0	45.0	63.0	48.0
250	45.1	46.5	75.0	63.4	78.0	66.4	20.0	17.3	62.0	N/A	58.0	43.0	61.0	46.0
300	49.7	51.3	75.0	62.2	78.0	65.2	19.0	17.3	62.0	N/A	52.0	41.5	55.0	44.5
400	58.2	60.0	70.0	60.4	73.0	63.4	19.0	17.3	62.0	N/A	49.0	38.9	52.0	41.9
500	65.8	67.9	70.0	58.9	73.0	61.9	19.0	17.3	62.0	N/A	47.0	37.0	50.0	40.0
600	72.9	75.1	70.0	57.7	73.0	60.7	19.0	17.3	62.0	N/A	45.0	35.4	48.0	38.4

*Supplied cables meet the minimum Cat. 7 transmission requirements as per **IEC 61156-6 Ed. 2**

Performance

Frequency Range:	1 - 600 MHz
Impedance:	100 Ω
Coupling Attenuation:	Type I
DC Resistance:	145 Ω /km nom.
Max. Resistance Unbalance:	2 %
Capacitance Unbalance:	1.2 pF/m max.
Velocity of Propagation:	80 % 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
Max. Operating Temperature:	+70 °C
Min. Operating Temperature:	−40 °C

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