

**Cat. 6 4x2x26/7 AWG S/FTP Work Area PVC
COMPUTER & LAN
P/N 9828026107**

TELECOM

Applications

High bandwidth digital applications with low BER, High data rates, Work area cabling, Patch cord



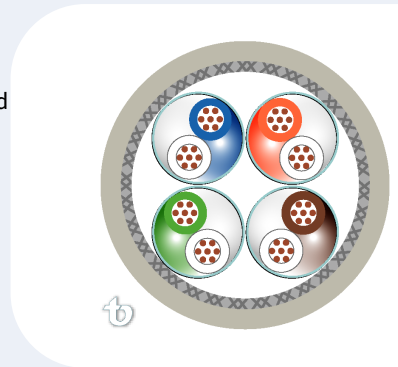
Outer Jacket Material
FR-PVC



Outer diameter
6.4 mm nom.



Weight
44 kg/km



General Construction

4 individually foil shielded twisted pairs are cabled, overall braid shielded and jacketed with FR-PVC compound.

Design & Materials

Conductor Material	Annealed Bare Copper
Conductor Size (AWG)	26
Conductor Construction	7x0.17 mm
Insulation Material	PO
Insulation O.D. (mm nom)	1.0
Color Code	Per TIA/EIA 568-B
Ind. Shield Material	Aluminum/Polyester Foil
Ind. Shield Design	Aluminum face outwards
Overall Shield Material	Tinned-copper braid
Overall Braid Shield	Yes
Braid Coverage (% nom)	45
Total Number Of Conductors	8
Outer Diameter (mm nom)	6.4
Outer Jacket Color	Orange
Marking	Teldor Standard Per request
Outer Jacket Material	FR-PVC

TELECOM

Performance

Frequency Range (MHz)	1 - 400
Impedance (Ω)	100
Coupling Attenuation	Type I
Max. Resistance Unbalance (%)	2
Capacitance Unbalance (pF/m max)	1.2
Propagation Delay Skew (ns/100m max)	35
Min. Insulation Resistance (GΩ•km)	5
Max. Installation Tensile Load (N max.)	80
Min. Bend Radius (mm)	5xD
Min. Operating Temperature (°C)	-30
Max. Operating Temperature (°C)	+70

Standards

Flammability Rating
IEC 60332-1
UL 1581 VW-1

Applicable Standards
IEC 61156
ISO/IEC 11801-1



Electrical Properties

Cat. 6 Screened-Pair Work Area Cables*

Freq. MHz	Attenuation dB/100m 20°C		PS NEXT Loss dB		NEXT Loss dB		RL dB		PS ELFEXT dB		ELFEXT dB	
	Typical Value	Cat. 6	Typical Value	Cat. 6	Typical Value	Cat. 6	Typical Value	Cat. 6	Typical Value	Cat. 6	Typical Value	Cat. 6
1	3.0	3.1	90.0	72.3	93.0	75.3	22.0	20.0	90.0	65.0	93.0	68.0
4	5.6	5.8	85.0	63.3	88.0	66.3	25.0	23.0	90.0	53.0	93.0	56.0
10	8.7	9.0	85.0	57.3	88.0	60.4	28.0	25.0	80.0	45.0	83.0	48.0
20	12.4	12.8	85.0	52.8	88.0	55.8	28.0	25.0	80.0	39.0	83.0	42.0
30	15.3	15.8	85.0	50.1	88.0	53.1	27.0	23.8	70.0	35.5	73.0	38.5
100	29.0	29.9	80.0	42.3	83.0	45.3	24.0	21.1	63.0	25.0	66.0	28.0
150	36.2	37.4	80.0	39.7	83.0	42.7	22.0	18.8	60.0	21.5	63.0	24.5
200	42.5	43.8	80.0	37.8	83.0	40.8	21.0	18.0	58.0	19.0	61.0	22.0
250	48.2	49.7	77.0	36.3	80.0	39.3	20.0	17.3	55.0	17.0	58.0	20.0

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

Teldor Cables & Systems Ltd. (“Teldor”) reserves the right to make changes to the products described in this catalog without prior notice. Teldor does not assume any liability which may occur due to the use of the products described herein. Drawings may not be to scale and are provided for general and informational purposes only. The information contained in this catalog is the proprietary property of Teldor, and may not be used, reproduced or disclosed to others, in whole or in part, without the written authorization of Teldor.

Version 1.3 | Last update: 2025-02-25