

Cat. 5e 4x2x24/1 AWG F/UTP UV-FR-PVC COMPUTER & LAN P/N 8376204101

TELECOM

Applications

Indoor use, fixed installations, Low temperature Indoor/Outdoor applications, Fixed or portable installations



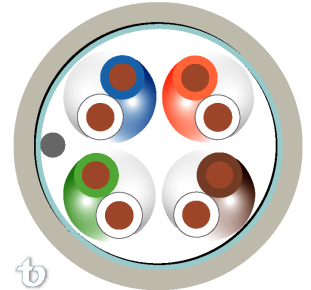
Outer Jacket Material
UV resistant FR-PVC



Outer diameter
6.2 mm nom.



Weight
39 kg/km



General Construction

4 twisted pairs cabled together, overall shielded with a polyester-aluminum foil with a drain conductor, and jacketed with UV resistant FR-PVC compound.

Design & Materials

Conductor Material	Annealed Bare Copper
Conductor Size (AWG)	24
Conductor Size (mm)	0.51
Conductor Construction	Solid
Insulation Material	Solid PO
Insulation O.D. (mm nom)	1.03
Color Code	Per TIA/EIA 568-B
Overall Shield Design	100% Coverage
Overall Shield Material	Aluminum/Polyester Foil
Overall Foil Shield	Yes
Overall Drain-wire Material	Annealed Tinned Copper
Overall Drain-wire size (mm)	0.41
Overall Drain-wire Construction	Solid
Total Number Of Conductors	8
Outer Diameter (mm nom)	6.2
Outer Jacket Color	Black
Marking	Teldor Standard Per request
Outer Jacket Material	UV resistant FR-PVC

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Performance

Frequency Range (MHz)	1 - 250
Impedance (Ω)	100
Coupling Attenuation	Type II
DC Resistance (Ω /km nom)	94
Max. Resistance Unbalance (%)	2
Capacitance Unbalance (pF/m max)	1.2
Propagation Delay Skew (ns/100m max)	35
Dielectric Strength (V/minute)	700
Dielectric Strength to Shield (V/minute)	700
Min. Insulation Resistance ($M\Omega \cdot km$)	5000
Min. Insulation Resistance ($G\Omega \cdot km$)	5
Max. Installation Tensile Load (N max.)	100
Min. Bend Radius (mm)	50
Min. Operating Temperature ($^{\circ}C$)	-45
Max. Operating Temperature ($^{\circ}C$)	+70

Standards

Flammability Rating

IEC 60332-1

UL 1581 VW-1

Applicable Standards

IEC 61156

ISO/IEC 11801-1

TIA/EIA-568

RoHS 3 2015/863/EU



Electrical Properties

Cat. 5e Horizontal Cables*

Freq. MHz	Attenuation dB/100m 20 $^{\circ}C$		PS NEXT Loss dB		NEXT Loss dB		RL dB		PS ELFEXT dB		ELFEXT dB	
	Typical Value	Cat. 5e	Typical Value	Cat. 5e	Typical Value	Cat. 5e	Typical Value	Cat. 5e	Typical Value	Cat. 5e	Typical Value	Cat. 5e
1	2.0	2.1	68.3	62.3	71.3	65.3	22.0	20.0	64.0	61.0	67.0	64.0
4	3.9	4.1	59.3	53.3	62.3	56.3	25.0	23.0	52.0	49.0	55.0	52.0
10	6.2	6.5	53.3	47.3	56.3	50.3	28.0	25.0	44.0	41.0	47.0	44.0
20	8.8	9.3	48.8	42.8	51.8	45.8	28.0	25.0	38.0	35.0	41.0	38.0
30	10.9	11.5	46.1	40.1	49.1	43.1	27.0	23.8	35.0	31.5	38.0	34.5
60	15.8	16.6	41.6	35.6	44.6	38.6	24.0	21.1	28.0	25.4	31.0	28.4
100	21.0	22.0	38.3	32.3	41.3	35.3	22.0	18.8	24.0	21.0	27.0	24.0

*Supplied cables meet minimum Cat. 5e transmission requirements of IEC 61156-5 Ed. 2 and ANSI/EIA/TIA 568-B.2

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Version 1.1 | Last update: 2017-07-13