

Cat. 5e 4x2x24/1 AWG F/UTP PVC COMPUTER & LAN P/N 8371204129

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Applications

Indoor use, fixed installations



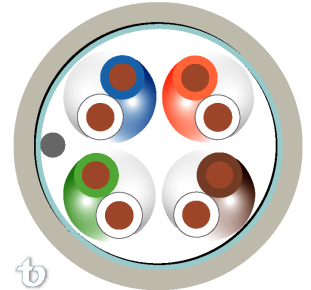
Outer Jacket Material
FR-PVC



Outer diameter
6.1 mm nom.



Weight
41 kg/km



General Construction

4 twisted pairs are cabled together, shielded with a polyester-aluminum tape and outer jacket.

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)	1.0
Color Code	Per TIA/EIA 568-B
Drain-Wire 1 Material	Annealed Tinned Copper
Drain-Wire 1 Construction	Solid
Drain-Wire 1 Size (mm)	0.41
Overall Shield Material	Aluminum/Polyester Foil
Total Number Of Conductors	8
Outer Jacket Color	Light Gray
Other Jacket Colors Available	Yes
Marking	Per request

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Performance

Frequency Range (MHz)	1 - 250
Impedance (Ω)	100
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
Min. Insulation Resistance ($M\Omega \cdot km$)	5000
Min. Insulation Resistance ($G\Omega \cdot km$)	5
Min. Bend Radius (mm)	50
Min. Operating Temperature ($^{\circ}C$)	-20
Max. Operating Temperature ($^{\circ}C$)	+60

Standards

Flammability Rating

IEC 60332-1

UL 1581 VW-1

Applicable Standards

IEC 61156

IEC 61156-5

IEEE 802.3af (PoE)

IEEE 802.3at (PoE+)

IEEE 802.3bt (4PPoE)

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

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