Product data sheet

Specifications

Category 6, 4 Pair UTP Cable 100m

DC6CAUTP4P1X

(!) **Discontinued on:** Dec 15, 2023

(!) **Discontinued**

Main

Product Or Component Type	Copper cable
Cable Shielding Type	UTP
Communication Network Category	6
Colour Tint	Grey

Complementary

Type Of Cable	4 twisted-pairs cable
Conductor Material	Solid bare copper
Minimum Return Loss	20 dB 1 MHz 23 dB 4 MHz 24.5 dB 8 MHz 25 dB 10 MHz 25 dB 16 MHz 25 dB 20 MHz 24.3 dB 25 MHz 23.6 dB 31.25 MHz 21.5 dB 62.5 MHz 20.1 dB 100 MHz 18.9 dB 150 MHz 18 dB 200 MHz 17.3 dB 250 MHz
Attenuation	2 dB / 100 m at 1 MHz 3.8 dB / 100 m at 4 MHz 5.3 dB / 100 m at 8 MHz 6 dB / 100 m at 10 MHz 7.6 dB / 100 m at 16 MHz 8.5 dB / 100 m at 20 MHz 9.5 dB / 100 m at 25 MHz 10.7 dB / 100 m at 31.25 MHz 15.4 dB / 100 m at 62.5 MHz 19.8 dB / 100 m at 100 MHz 24.7 dB / 100 m at 150 MHz 29 dB / 100 m at 200 MHz 32.8 dB / 100 m at 250 MHz
Attenuation To Crosstalk Ratio [Acr]	72 dB at 1 MHz 61 dB at 4 MHz 55 dB at 8 MHz 53 dB at 10 MHz 49 dB at 16 MHz 46 dB at 20 MHz 44 dB at 25 MHz 41 dB at 31.25 MHz 32 dB at 62.5 MHz 25 dB at 100 MHz 16.9 dB at 150 MHz 10.8 dB at 200 MHz 5.5 dB at 250 MHz

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Power Sum Near-End Crosstalk [Psnext]	72.3 dB at 1 MHz
	63.3 dB at 4 MHz
	58.8 dB at 8 MHz
	57.3 dB at 10 MHz
	54.2 dB at 16 MHz
	52.8 dB at 20 MHz
	51.3 dB at 25 MHz
	49.9 dB at 31.25 MHz
	45.4 dB at 62.5 MHz
	42.3 dB at 100 MHz
	39.7 dB at 150 MHz
	37.8 dB at 200 MHz
	36.3 dB at 250 MHz
Near End Crosstalk [Next]	74.3 dB at 1 MHz
	65.3 dB at 4 MHz
	60.8 dB at 8 MHz
	59.3 dB at 10 MHz
	56.2 dB at 16 MHz
	54.8 dB at 20 MHz
	53.3 dB at 25 MHz
	51.9 dB at 31.25 MHz
	47.4 dB at 62.5 MHz
	44.3 dB at 100 MHz
	41.7 dB at 150 MHz
	39.8 dB at 200 MHz
	38.3 dB at 250 MHz
Equal Level Far End Crosstalk [Elfext]	67.8 dB at 1 MHz
	55.8 dB at 4 MHz
	49.7 dB at 8 MHz
	47.8 dB at 10 MHz
	43.7 dB at 16 MHz
	41.8 dB at 20 MHz
	39.8 dB at 25 MHz
	37.9 dB at 31.25 MHz
	31.9 dB at 62.5 MHz
	27.8 dB at 100 MHz
	24.3 dB at 150 MHz
	21.8 dB at 200 MHz
	19.8 dB at 250 MHz
Power Sum Equal Level Far End Crosstalk [Pselfext]	64.8 dB at 1 MHz
	52.8 dB at 4 MHz
	46.7 dB at 8 MHz
	44.8 dB at 10 MHz
	40.7 dB at 16 MHz
	38.8 dB at 20 MHz
	36.8 dB at 25 MHz
	34.9 dB at 31.25 MHz
	28.9 dB at 62.5 MHz
	24.8 dB at 100 MHz
	21.3 dB at 150 MHz
	18.8 dB at 200 MHz
	16.8 dB at 250 MHz
Delay Skew	570 ns / 100 m at 1 MHz
	552 ns / 100 m at 4 MHz
	547 ns / 100 m at 8 MHz
	545 ns / 100 m at 10 MHz
	543 ns / 100 m at 16 MHz
	542 ns / 100 m at 20 MHz
	541 ns / 100 m at 25 MHz
	540 ns / 100 m at 31.25 MHz
	539 ns / 100 m at 62.5 MHz
	538 ns / 100 m at 100 MHz
	537 ns / 100 m at 150 MHz
	537 ns / 100 m at 200 MHz
	536 ns / 100 m at 250 MHz
Input Impedance	100 Ohm (+/- 6 %) at 1…300 MHz
Dc Resistance	72 Ohm
Insulation Resistance	>= 500 mOhm/km 1 km 500 V DC
Nominal Velocity Propagation	69 %
Cable Outer Diameter	6 mm

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Cable Length	100 m
Awg Gauge	AWG 23
Material	PVC (polyvinyl chloride): jacket

Environment

Flame Retardance	V-0 conforming to UL 94
Product Certifications	UL listed UL/ETL verified
Standards	ANSI/TIA-568-C.2 ISO/IEC 11801

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	15.3 cm
Package 1 Width	28.0 cm
Package 1 Length	28.0 cm
Package 1 Weight	4.115 kg
Unit Type Of Package 2	PAL
Number Of Units In Package 2	56
Package 2 Height	107.1 cm
Package 2 Width	80.0 cm
Package 2 Length	120.0 cm
Package 2 Weight	230426.23 g

Contractual warranty

Warranty	18 months

Sustainability

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Guide to assess a product's sustainability >

Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
	Pro-active China RoHS declaration (out of China RoHS legal scope)
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations