Product data sheet
Characteristics

DC6CAUTP4P3X
Category 6 4 pair UTP Cable 305m

Green Premium™ Product

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

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
Maximum loop resistance	72 Ohm
Insulation resistance	>= 500 mOhm/km500 V DC
Nominal velocity propagation	69 %
Cable outer diameter	6 Mm
Cable length	305 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 Weight	12.0 Kg
Package 1 Height	41 Cm
Package 1 width	22 Cm
Package 1 Length	40 Cm
Unit Type of Package 2	PAL
Number of Units in Package 2	20
Package 2 Weight	253.0 Kg
Package 2 Height	95 Cm
Package 2 width	80 Cm
Package 2 Length	120 Cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile

Contractual warranty

Warranty	18 months

Product Life Status :   Commercialised