Product data sheet
Characteristics

DC6CAUTP4P1X
Category 6, 4 Pair UTP Cable 100m

Main

Range of product	Digilink
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
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 dB @ 200 MHz 17.3 dB @ 250 MHz 18.9 dB @ 150 MHz
Attenuation	7.6 dB / 100 m @ 16 MHz 29 dB / 100 m @ 200 MHz 9.5 dB / 100 m @ 25 MHz 2 dB / 100 m @ 1 MHz 10.7 dB / 100 m @ 31.25 MHz 19.8 dB / 100 m @ 100 MHz 5.3 dB / 100 m @ 8 MHz 6 dB / 100 m @ 10 MHz 24.7 dB / 100 m @ 150 MHz 8.5 dB / 100 m @ 20 MHz 32.8 dB / 100 m @ 250 MHz 3.8 dB / 100 m @ 4 MHz 15.4 dB / 100 m @ 62.5 MHz
Attenuation to crosstalk ratio [ACR]	72 dB @ 1 MHz 61 dB @ 4 MHz 55 dB @ 8 MHz 53 dB @ 10 MHz 49 dB @ 16 MHz

	46 dB @ 20 MHz 44 dB @ 25 MHz 41 dB @ 31.25 MHz 32 dB @ 62.5 MHz 25 dB @ 100 MHz 16.9 dB @ 150 MHz 10.8 dB @ 200 MHz 5.5 dB @ 250 MHz
Power sum near-end crosstalk [PS NEXT]	72.3 dB @ 1 MHz 63.3 dB @ 4 MHz 57.3 dB @ 10 MHz 54.2 dB @ 16 MHz 52.8 dB @ 20 MHz 49.9 dB @ 31.25 MHz 45.4 dB @ 62.5 MHz 42.3 dB @ 100 MHz 37.8 dB @ 200 MHz 36.3 dB @ 250 MHz 58.8 dB @ 8 MHz 51.3 dB @ 25 MHz 39.7 dB @ 150 MHz
Near end crosstalk [NEXT]	74.3 dB @ 1 MHz 65.3 dB @ 4 MHz 60.8 dB @ 8 MHz 59.3 dB @ 10 MHz 56.2 dB @ 16 MHz 54.8 dB @ 20 MHz 53.3 dB @ 25 MHz 51.9 dB @ 31.25 MHz 47.4 dB @ 62.5 MHz 44.3 dB @ 100 MHz 39.8 dB @ 200 MHz 38.3 dB @ 250 MHz 41.7 dB @ 150 MHz
Equal level far end crosstalk [ELFEXT]	67.8 dB @ 1 MHz 55.8 dB @ 4 MHz 49.7 dB @ 8 MHz 47.8 dB @ 10 MHz 43.7 dB @ 16 MHz 41.8 dB @ 20 MHz 39.8 dB @ 25 MHz 37.9 dB @ 31.25 MHz 31.9 dB @ 62.5 MHz 27.8 dB @ 100 MHz 21.8 dB @ 200 MHz 19.8 dB @ 250 MHz 24.3 dB @ 150 MHz
Power sum equal level far end crosstalk [PSELFEXT]	64.8 dB @ 1 MHz 52.8 dB @ 4 MHz 46.7 dB @ 8 MHz 44.8 dB @ 10 MHz 40.7 dB @ 16 MHz 38.8 dB @ 20 MHz 36.8 dB @ 25 MHz 34.9 dB @ 31.25 MHz 28.9 dB @ 62.5 MHz 24.8 dB @ 100 MHz 18.8 dB @ 200 MHz 16.8 dB @ 250 MHz 21.3 dB @ 150 MHz
Delay skew	543 ns / 100 m @ 16 MHz 537 ns / 100 m @ 200 MHz 541 ns / 100 m @ 25 MHz 540 ns / 100 m @ 31.25 MHz 538 ns / 100 m @ 100 MHz 547 ns / 100 m @ 8 MHz 537 ns / 100 m @ 150 MHz 542 ns / 100 m @ 20 MHz 570 ns / 100 m @ 1 MHz 536 ns / 100 m @ 250 MHz 552 ns / 100 m @ 4 MHz 539 ns / 100 m @ 62.5 MHz 545 ns / 100 m @ 10 MHz

Input impedance	100 Ohm +/- 6 % @ 1...300 MHz
Loop resistance	<= 72 Ohm
Insulation resistance	>= 500 mOhm/km 500 V DC
Nominal velocity propagation	69 %
Cable outer diameter	6 mm
Cable length	100 m
AWG gauge	AWG 23
Material	For jacket : PVC (polyvinyl chloride)

Environment

Flame retardance	UL 94 V-0
Product certifications	UL listed UL/ETL verified
Standards	ANSI/TIA-568-C.2 ISO/IEC 11801

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 1622 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months