



Main

Range of product	Actassi
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Product or component-type	Copper cable
Colour tint	Blue

Complementary

Type of cable	4 pair cables
Cable shielding type	UTP
Communication network category	6 _A
Flame retardance	CM
Return loss	20 dB, at 1 MHz 23 dB, at 4 MHz 25 dB, at 10 MHz 25 dB, at 16 MHz 25 dB, at 20 MHz 24.3 dB, at 25 MHz 23.6 dB, at 31.25 MHz 21.5 dB, at 62.5 MHz 20.1 dB, at 100 MHz 24.5 dB, at 8 MHz 18 dB, at 200 MHz 17.3 dB, at 250 MHz 16.8 dB, at 300 MHz 15.9 dB, at 400 MHz 15.2 dB, at 500 MHz
Attenuation	2.1 dB at 1 MHz, cable length 100 m 3.8 dB at 4 MHz, cable length 100 m 5.3 dB at 8 MHz, cable length 100 m 5.9 dB at 10 MHz, cable length 100 m 7.5 dB at 16 MHz, cable length 100 m 8.4 dB at 20 MHz, cable length 100 m 9.4 dB at 25 MHz, cable length 100 m 10.5 dB at 31.25 MHz, cable length 100 m 15 dB at 62.5 MHz, cable length 100 m 9.1 dB at 100 MHz, cable length 100 m 27.6 dB at 200 MHz, cable length 100 m 31.1 dB at 250 MHz, cable length 100 m 34.3 dB at 300 MHz, cable length 100 m 40.1 dB at 400 MHz, cable length 100 m 45.3 dB at 500 MHz, cable length 100 m

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Power sum near-end crosstalk [PS NEXT]	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 37.8 dB at 200 MHz 36.3 dB at 250 MHz 35.1 dB at 300 MHz 35.1 dB at 400 MHz 31.8 dB at 500 MHz
Power sum alien near-end crosstalk [PS ANEXT]	67 dB at 1 MHz 67 dB at 4 MHz 67 dB at 8 MHz 67 dB at 10 MHz 67 dB at 16 MHz 67 dB at 20 MHz 67 dB at 25 MHz 67 dB at 31.25 MHz 65.6 dB at 62.5 MHz 65.6 dB at 100 MHz 58 dB at 200 MHz 56.5 dB at 250 MHz 55.3 dB at 300 MHz 53.5 dB at 400 MHz 52 dB at 500 MHz
Power sum attenuation to alien crosstalk ratio-far-end [PS AACR-F]	66.2 dB at 4 MHz 60.1 dB at 8 MHz 58.2 dB at 10 MHz 54.1 dB at 16 MHz 52.2 dB at 20 MHz 50.2 dB at 25 MHz 48.3 dB at 31.25 MHz 42.3 dB at 62.5 MHz 38.2 dB at 100 MHz 32.2 dB at 200 MHz 30.2 dB at 250 MHz 28.7 dB at 300 MHz 26.2 dB at 400 MHz 24.2 dB at 500 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 39.8 dB at 200 MHz 38.3 dB at 250 MHz 37.1 dB at 300 MHz 35.3 dB at 400 MHz 33.8 dB at 500 MHz
Input impedance	100 Ohm (+/- 15 %) at 1...100 MHz 100 Ohm (+/- 22 %) at 100...250 MHz
Loop resistance	<= 72 Ohm/km
Capacitance unbalance	330 pF / 100 m
Resistance unbalance	<= 5 %
Wire insulation material	PE
Conductor material	Solid bare copper
AWG gauge	AWG 23
Cable outer diameter	7.3 mm
Cable length	305 m
Cable weight	17 kg

Environment

Ambient air temperature for operation	75 °C
Standards	ANSI/TIA-568-C.2 ISO/IEC 11801 Ea

Contractual warranty

Warranty period	18 months
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Product Life Status : **Commercialised**