



Main

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

Complementary

Type of cable	4 pair cables
Cable shielding type	F ² /UTP
Communication network category	6
Return loss	28.8 dB, at 1 MHz 32.9 dB, at 250 MHz 34.4 dB, at 4 MHz 34.8 dB, at 16 MHz 35.2 dB, at 62.5 MHz 36.3 dB, at 10 MHz 38.5 dB, at 200 MHz 38.9 dB, at 20 MHz 39.9 dB, at 100 MHz 40.3 dB, at 31.25 MHz
Attenuation	1.6 dB at 1 MHz, cable length 100 m 13.8 dB at 62.5 MHz, cable length 100 m 17.7 dB at 100 MHz, cable length 100 m 25.3 dB at 200 MHz, cable length 100 m 28.5 dB at 250 MHz, cable length 100 m 3.4 dB at 4 MHz, cable length 100 m 5.4 dB at 10 MHz, cable length 100 m 6.9 dB at 16 MHz, cable length 100 m 7.7 dB at 20 MHz, cable length 100 m 9.7 dB at 31.25 MHz, cable length 100 m
Near end crosstalk [NEXT]	99 dB at 1 MHz 66.4 dB at 100 MHz 66.6 dB at 250 MHz 68.3 dB at 62.5 MHz 68.6 dB at 200 MHz 72.5 dB at 20 MHz 73.9 dB at 31.25 MHz 80.2 dB at 10 MHz 83.6 dB at 16 MHz 88.2 dB at 4 MHz

2D4P6T2PS3RGY

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Power sum far end crosstalk [PSFEXT]	72 dB at 20 MHz 87 dB at 4 MHz 95 dB at 1 MHz 64.3 dB at 100 MHz 65.2 dB at 200 MHz 65.2 dB at 250 MHz 65.4 dB at 62.5 MHz 73.4 dB at 31.25 MHz 73.9 dB at 16 MHz 77.8 dB at 10 MHz
Input impedance	100 Ohm (+/- 15 %) at 1...100 Hz 100 Ohm (+/- 22 %) at 100...250 Hz
Loop resistance	<= 73.2 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	6.5 mm
Cable length	305 m

Environment

Ambient air temperature for operation	75 °C
Product certifications	UL
Standards	ISO/IEC 11801 IEC 61156-5 TIA/EIA-568-B

Contractual warranty

Warranty period	18 months
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