



Main

Range	Actassi
Product or component type	Copper cable
Colour tint	Blue
Cable shielding type	FTP

Complementary

Type of cable	4 pair cables
Communication network category	6A
Minimum return loss	20 dB 1 kHz 23 dB 4 kHz 24.5 dB 8 kHz 25 dB 10 kHz 25 dB 16 kHz 25 dB 20 kHz 24.3 dB 25 kHz 23.6 dB 31.25 kHz 21.5 dB 62.5 kHz 20.1 dB 100 kHz 18 dB 200 kHz 17.3 dB 250 kHz 16.8 dB 300 kHz 15.9 dB 400 kHz 15.2 dB 500 kHz
Attenuation	Guaranteed: 2.1 dB @ 1 MHz per 100 m cable Guaranteed: 3.8 dB @ 4 MHz per 100 m cable Guaranteed: 5.3 dB @ 8 MHz per 100 m cable Guaranteed: 5.9 dB @ 10 MHz per 100 m cable Guaranteed: 7.5 dB @ 16 MHz per 100 m cable Guaranteed: 8.4 dB @ 20 MHz per 100 m cable Guaranteed: 9.4 dB @ 25 MHz per 100 m cable Guaranteed: 10.5 dB @ 31.25 MHz per 100 m cable Guaranteed: 15 dB @ 62.5 MHz per 100 m cable Guaranteed: 9.1 dB @ 100 MHz per 100 m cable Guaranteed: 27.6 dB @ 200 MHz per 100 m cable Guaranteed: 31.1 dB @ 250 MHz per 100 m cable

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

Guaranteed: 34.3 dB @ 300 MHz per 100 m cable
 Guaranteed: 40.1 dB @ 400 MHz per 100 m cable
 Guaranteed: 45.3 dB @ 500 MHz per 100 m cable

Power sum alien near-end crosstalk [PSANEXT]	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 [PSAACRF]	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]	Guaranteed: 74.3 dB at 1 MHz Guaranteed: 65.3 dB at 4 MHz Guaranteed: 60.8 dB at 8 MHz Guaranteed: 59.3 dB at 10 MHz Guaranteed: 56.2 dB at 16 MHz Guaranteed: 54.8 dB at 20 MHz Guaranteed: 53.3 dB at 25 MHz Guaranteed: 51.9 dB at 31.25 MHz Guaranteed: 47.4 dB at 62.5 MHz Guaranteed: 44.3 dB at 100 MHz Guaranteed: 39.8 dB at 200 MHz Guaranteed: 38.3 dB at 250 MHz Guaranteed: 37.1 dB at 300 MHz Guaranteed: 35.3 dB at 400 MHz Guaranteed: 33.8 dB at 500 MHz
Input impedance	100 Ohm (+/- 15 %) at 1...100 MHz 100 Ohm (+/- 22 %) at 100...250 MHz
Maximum loop resistance	72 Ohm
Capacitance unbalance	330 pF / 100 m
Maximum 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
Flame retardance	CM
Standards	ISO/IEC 11801 Ea ANSI/TIA-568-C.2

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
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
Circularity Profile	No need of specific recycling operations

Contractual warranty

Warranty	18 months
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