



Main

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

Complementary

Type of cable	4 pair cables
Communication network category	6 _A
Return loss	Guaranteed: ≥ 20 dB @1 kHz Guaranteed: ≥ 23 dB @4 kHz Guaranteed: ≥ 24.5 dB @8 kHz Guaranteed: ≥ 25 dB @10 kHz Guaranteed: ≥ 25 dB @16 kHz Guaranteed: ≥ 25 dB @20 kHz Guaranteed: ≥ 24.3 dB @25 kHz Guaranteed: ≥ 23.6 dB @31.25 kHz Guaranteed: ≥ 21.5 dB @62.5 kHz Guaranteed: ≥ 20.1 dB @100 kHz Guaranteed: ≥ 18 dB @200 kHz Guaranteed: ≥ 17.3 dB @250 kHz Guaranteed: ≥ 16.8 dB @300 kHz Guaranteed: ≥ 15.9 dB @400 kHz Guaranteed: ≥ 15.2 dB @500 kHz
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
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	66.2 dB at 4 MHz

[PS AACR-F]

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 @1 MHz
Guaranteed: 38.3 dB @250 MHz
Guaranteed: 33.8 dB @500 MHz
Guaranteed: 65.3 dB @4 MHz
Guaranteed: 60.8 dB @8 MHz
Guaranteed: 59.3 dB @10 MHz
Guaranteed: 56.2 dB @16 MHz
Guaranteed: 54.8 dB @20 MHz
Guaranteed: 53.3 dB @25 MHz
Guaranteed: 51.9 dB @31.25 MHz
Guaranteed: 47.4 dB @62.5 MHz
Guaranteed: 44.3 dB @100 MHz
Guaranteed: 39.8 dB @200 MHz
Guaranteed: 37.1 dB @300 MHz
Guaranteed: 35.3 dB @400 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

Targeted region

Asia Pacific

Environment

ambient air temperature for operation

75 °C

flame retardance

CM

standards

ANSI/TIA-568-C.2
ISO/IEC 11801 Ea

Offer Sustainability

Sustainable offer status

Green Premium product

RoHS (date code: YYWW)

Compliant - since 0852 - Schneider Electric declaration of conformity

REACH

Reference not containing SVHC above the threshold

Product environmental profile

Available

Product end of life instructions

Need no specific recycling operations