



Main

Range	Actassi
Product	Network cable
Type of cable	4 twisted-pairs cable
Cable shielding type	U/UTP
Communication network category	6
Supported applications	1000BASE-T
Protocol	PoE+ (Power over Ethernet) VoIP (Voice IP)
Cable colour	Green
Material	Wire insulation : PE (polyethylene) Conductor : solid bare copper Jacket : LSZH (low smoke zero halogen)

Complementary

Return loss	17.3 dB @250 MHz 18 dB @200 MHz 19.4 dB @125 MHz 20.1 dB @100 MHz 21.5 dB @62.5 MHz 23.6 dB @31.25 MHz 25 dB @20 MHz 25 dB @16 MHz 25 dB @10 MHz 23 dB @4 MHz 20 dB @1 MHz
Attenuation	32.8 dB @250 MHz 29 dB @200 MHz 22.4 dB @125 MHz 19.8 dB @100 MHz 15.4 dB @62.5 MHz 10.7 dB @31.25 MHz 8.5 dB @20 MHz 7.6 dB @16 MHz 6 dB @10 MHz 3.8 dB @4 MHz 2 dB @1 MHz
Near end crosstalk	39.3 dB @250 MHz 40.8 dB @200 MHz 43.8 dB @125 MHz 45.3 dB @100 MHz 48.4 dB @62.5 MHz 52.9 dB @31.25 MHz 55.8 dB @20 MHz 57.2 dB @16 MHz 60.3 dB @10 MHz 66.3 dB @4 MHz 74.3 dB @1 MHz
Power Sum Near End Crosstalk (PS NEXT)	36.3 dB @250 MHz 37.8 dB @200 MHz 40.8 dB @125 MHz 42.3 dB @100 MHz 45.4 dB @62.5 MHz 49.9 dB @31.25 MHz 52.8 dB @20 MHz 54.2 dB @16 MHz 57.3 dB @10 MHz 63.3 dB @4 MHz 72.3 dB @1 MHz
Equal level far end crosstalk	20 dB @250 MHz 22 dB @200 MHz 26.1 dB @125 MHz 28 dB @100 MHz 32.1 dB @62.5 MHz 38.1 dB @31.25 MHz 42 dB @20 MHz 43.9 dB @16 MHz 48 dB @10 MHz 56 dB @4 MHz 67.8 dB @1 MHz
Power sum equal level far end crosstalk	17 dB @250 MHz 19 dB @200 MHz 23.1 dB @125 MHz 25 dB @100 MHz 29.1 dB @62.5 MHz 35.1 dB @31.25 MHz 39 dB @20 MHz 40.9 dB @16 MHz 45 dB @10 MHz 53 dB @4 MHz 64.8 dB @1 MHz
Input impedance	100 Ohm @1...250 MHz
Delay skew	<= 45 ns @1...250 MHz
Resistance unbalance	<= 2 %
TCL	>= 50 - 10 x log(f) dB from 1...250 MHz (IEC 61156-5 Ed2)
Coupling attenuation	>= 40 - 20 x log10(f / 100) dB from 100...1000 MHz (IEC 61156-5 Ed2, type III) >= 40 dB from 30...100 MHz (IEC 61156-5 Ed2, type III)

NVP	68 %
Pulling force	<= 392 N
Calorific value	329 MJ/km
AWG	23
Bending radius	Minimum bending radius during installation : 8 x overall diameter Minimum bending radius after installation : 4 x overall diameter
Cable outer diameter	<= 6.1 mm
Cable packaging	Box of 305 m
Cable weight	48 kg/km

Environment

Ambient air temperature for installation	0...50 °C
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-20...60 °C
Temperature resistance	60 °C
Standards	Performance : ISO/IEC 11801 Ed2.1 Performance : ISO/IEC 11801:2011 Ed.2.2 Performance : EN 50288-6-1 Installation standards : ISO/IEC 14763-2 Smoke generation : IEC 61034 Acidity of combustion gases : IEC 60754-2 Halogen gas evolution : IEC 60754-1 Flame propagation characteristics : IEC 60332-1 Performance : ANSI/TIA/EIA-568-C.2 Performance : EN 50174-1 Performance : EN 50173-1 Performance : IEC 61156-5 Ed2

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0952 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations