



Main

Range	Actassi
Product or component type	Network cable
Type of cable	4 twisted-pairs cable
Cable shielding type	SF/UTP
Communication network category	6
Communication port protocol	VoIP (Voice IP) PoE 15W (Power over Ethernet) PoE+ 30W (Power over Ethernet Plus)
Communication network type	1000BASE-T
Colour tint	Green
Localisation on device	Jacket : LSZH (low smoke zero halogen) Conductor : solid bare copper Wire insulation : PE (polyethylene)

Complementary

Return loss	Guaranteed: 23 dB @4 MHz Guaranteed: 25 dB @10 MHz Guaranteed: 25 dB @16 MHz Guaranteed: 25 dB @20 MHz Guaranteed: 23.6 dB @31.25 MHz Guaranteed: 21.5 dB @62.5 MHz Guaranteed: 20.1 dB @100 MHz Guaranteed: 19.4 dB @125 MHz Guaranteed: 18 dB @200 MHz Guaranteed: 17.3 dB @250 MHz
Attenuation	3.8 dB 4 MHz 6 dB 10 MHz 7.6 dB 16 MHz 8.5 dB 20 MHz 10.7 dB 31.25 MHz 15.5 dB 62.5 MHz 19.9 dB 100 MHz 22.5 dB 125 MHz 29.1 dB 200 MHz

33 dB 250 MHz

Near end crosstalk [NEXT]	Guaranteed: 66.3 dB @4 MHz Guaranteed: 60.3 dB @10 MHz Guaranteed: 57.2 dB @16 MHz Guaranteed: 55.8 dB @20 MHz Guaranteed: 52.9 dB @31.25 MHz Guaranteed: 48.4 dB @62.5 MHz Guaranteed: 45.3 dB @100 MHz Guaranteed: 43.8 dB @125 MHz Guaranteed: 40.8 dB @200 MHz Guaranteed: 39.3 dB @250 MHz
Power sum near-end crosstalk [PS NEXT]	Guaranteed: 63.3 dB @4 MHz Guaranteed: 57.3 dB @10 MHz Guaranteed: 54.2 dB @16 MHz Guaranteed: 52.8 dB @20 MHz Guaranteed: 49.9 dB @31.25 MHz Guaranteed: 45.4 dB @62.5 MHz Guaranteed: 42.3 dB @100 MHz Guaranteed: 40.8 dB @125 MHz Guaranteed: 37.8 dB @200 MHz Guaranteed: 36.3 dB @250 MHz
Equal level far end crosstalk [ELFEXT]	Guaranteed: 56 dB @4 MHz Guaranteed: 48 dB @10 MHz Guaranteed: 43.9 dB @16 MHz Guaranteed: 42 dB @20 MHz Guaranteed: 38.1 dB @31.25 MHz Guaranteed: 32.1 dB @62.5 MHz Guaranteed: 28 dB @100 MHz Guaranteed: 26.1 dB @125 MHz Guaranteed: 22 dB @200 MHz Guaranteed: 20 dB @250 MHz
Power sum equal level far end crosstalk [PSELFEXT]	Guaranteed: 53 dB @4 MHz Guaranteed: 45 dB @10 MHz Guaranteed: 40.9 dB @16 MHz Guaranteed: 39 dB @20 MHz Guaranteed: 35.1 dB @31.25 MHz Guaranteed: 29.1 dB @62.5 MHz Guaranteed: 25 dB @100 MHz Guaranteed: 23.1 dB @125 MHz Guaranteed: 19 dB @200 MHz Guaranteed: 17 dB @250 MHz
Input impedance	100 Ohm @1...250 MHz
Delay skew	<= 45 ns @1...250 MHz
Resistance unbalance	<= 2 %
Transverse conversion loss	>= 40 - 10 x log(f) dB from 1...250 MHz (IEC 61156-5, ed. 2.1)
Coupling attenuation	>= 85 dB from 30...100 MHz (IEC 61156-5, ed. 2 type Ia) >= 85 - 20 x log ₁₀ (f / 100) dB from 100...1000 MHz (IEC 61156-5, ed. 2 type Ia)
Segregation class	Class d (EN 50174-2)
Nominal velocity propagation	70 %
Pulling force	<= 392 N
AWG gauge	AWG 23
Bending radius	Minimum bending radius after installation : 4 x overall diameter Minimum bending radius during installation : 8 x overall diameter
Cable outer diameter	7.7 mm
Cable packaging	Drum of 500 m
Cable weight	68.5 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
Directives	2006/95/EC - low voltage directive 2011/65/EU - RoHS directive
Standards	Halogen gas evolution : IEC 60754-1

Acidity of combustion gases : IEC 60754-2
 Smoke generation : IEC 61034
 Performance : EN 50173-1
 Performance : EN 50174-1
 Performance : ANSI/TIA/EIA-568-C.2
 Flame propagation characteristics : IEC 60332-1
 Installation standards : ISO/IEC 14763-2
 Performance : EN 50288-5-1
 Performance : IEC 61156-5 ed. 2.1
 Performance : ISO/IEC 11801 ed. 2.2, 2011
 Performance : ISO/IEC 11801 ed. 2.1
 Installation standards : EN 50174-2
 Performance : IEEE 802.3af
 Performance : IEEE 802.3at

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1052 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product environmental
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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