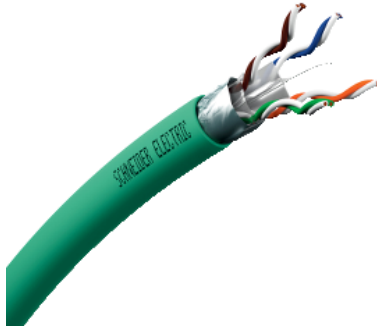


Product data sheet

Specifications



Copper LAN cable, Actassi, F/UTP, 4P, Cat6A, Euroclass D, 550MHz, LSZH, 500m

VDICD13X218

Main

Range	Actassi
Product or component type	Copper cable
Cable packaging	Drum of 500 m
Colour tint	Green
Cable shielding type	F/UTP

Complementary

Type of cable	4 pair cables
Communication network category	6A
Remote powering	PoE 15W (Power over Ethernet) PoE+ 30W (Power over Ethernet Plus) 4PPoE 100W (Power over Ethernet)
Communication network type	10GBASE-T
Minimum return loss	Guaranteed: 20.1 dB at 100 MHz typical: 24.2 dB Guaranteed: 17.3 dB at 250 MHz typical: 22 dB Guaranteed: 17.3 dB at 500 MHz typical: 20.3 dB
Attenuation	Guaranteed: 19.1 dB Typical: 17.5 dB @ 100 MHz Guaranteed: 31.1 dB Typical: 28.4 dB @ 250 MHz Guaranteed: 45.3 dB Typical: 41.4 dB @ 500 MHz
Power sum near-end crosstalk [PSNEXT]	Guaranteed: 45.3 dB Typical: 55.8 dB at 100 MHz Guaranteed: 36.3 dB Typical: 48.2 dB at 250 MHz Guaranteed: 31.8 dB Typical: 42.5 dB at 500 MHz
Attenuation to Crosstalk Ratio Far-end [ACRF]	Guaranteed: 31 dB Typical: 54.7 dB at 100 MHz Guaranteed: 23 dB Typical: 46.6 dB at 250 MHz Guaranteed: 17 dB Typical: 40.5 dB at 500 MHz
Power sum attenuation crosstalk ratio far-end [PSACRF]	28 dB at 100 MHz 20 dB at 250 MHz 14 dB at 500 MHz
Near end crosstalk [NEXT]	Guaranteed: 47.3 dB Typical: 58.8 dB at 100 MHz Guaranteed: 39.3 dB Typical: 51.2 dB at 250 MHz Guaranteed: 34.8 dB Typical: 45.5 dB at 500 MHz
Coupling attenuation	>= 55 dB from 30...100 MHz conforming to IEC 61156-5, ed. 2.1 type II >= 55 - 20 x log ₁₀ (f / 100) dB from 100...500 MHz conforming to IEC 61156-5, ed. 2.1 type II
Transfer impedance	<= 50 mOhm/m at 1 MHz (grade 2) <= 1000 mOhm/m at 100 MHz (grade 2)
Input impedance	100 Ohm
Segregation class	Class c conforming to EN 50174-2

Maximum resistance unbalance	2 %
Pulling force	100 N
Bending radius	Minimum bending radius during installation: 8 x overall diameter Minimum bending radius after installation: 4 x overall diameter
Material	Solid bare copper: conductor PE (polyethylene): wire insulation Aluminium/polyester: foil Tinned copper: drain wire PE (polyethylene): sheath
Euroclass level	Dca s2 d1 a1
Nominal velocity propagation	68 %
AWG gauge	AWG 23
Calorific value	861 MJ/km
Cable outer diameter	7.5 mm
Cable weight	50 kg / 1 km

Environment

Ambient air temperature for installation	0...50 °C
Ambient air temperature for storage	-20...60 °C
Ambient air temperature for operation	-20...60 °C
Directives	2006/95/EC - low voltage directive 305/2011/EU - construction product regulation
Flame retardance	LSZH
Standards	ISO/IEC 11801-ed. 3 performance EN 50173-1 performance EN 50174-1 performance ANSI/TIA/EIA-568-C.2 performance IEC 61156-5-ed. 2.1 performance EN 50288-10-1 performance ISO/IEC 14763-2 installation standards EN 50174-2 installation standards IEC 60332-1 flame propagation characteristics IEC 60754-1 IEC 60754-2 acidity of combustion gases IEC 61034 smoke generation

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	32.333 kg
Package 1 Height	30 cm
Package 1 width	60 cm
Package 1 Length	60 cm
Unit Type of Package 2	P12
Number of Units in Package 2	6
Package 2 Weight	199.5 kg
Package 2 Height	105 cm
Package 2 width	80 cm
Package 2 Length	120 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
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 Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile