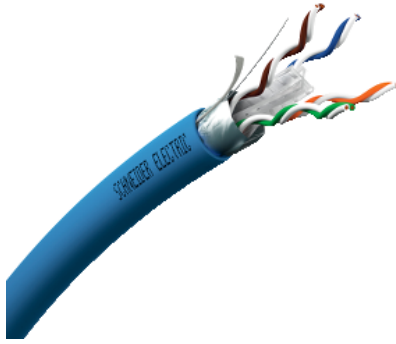


Product datasheet

Specifications



Actassi Cable LAN F/UTP 4P Cat6A Euroclass D 550MHz LSZH 500m

VDICD63X218

Main

Range	Actassi
Product or component type	Copper cable
Cable packaging	Drum of 500 m
Colour tint	Blue
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 $\geq 55 - 20 \times \log_{10}(f / 100)$ 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
Maximum loop resistance	149.4 Ohm per 1000 m

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 %
Linear conductor resistance	74.7 mΩ/m
AWG gauge	AWG 23
Calorific value	861 MJ/km
Cable outer diameter	7.5 mm
Cable length	500 m
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 Height	30.000 cm
Package 1 Width	60.000 cm
Package 1 Length	60.000 cm
Package 1 Weight	30.500 kg
Unit Type of Package 2	P12
Number of Units in Package 2	6
Package 2 Height	102.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm

Package 2 Weight 207.000 kg

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
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Recommended replacement(s)