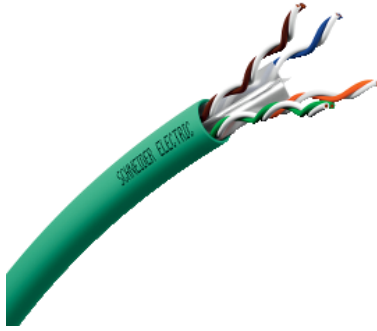


Product data sheet

Specifications



Copper LAN cable, Actassi, U/UTP, 4P, Cat6, Euroclass D, 250MHz, AWG 24, LSZH, 305m

VDICD116118GHD

Main

Range	Actassi
Product or component type	Copper cable
Cable packaging	Box of 305 m
Colour tint	Green
Cable shielding type	U/UTP

Complementary

Type of cable	4 pair cables
Communication network category	6
Remote powering	PoE 15W (Power over Ethernet) PoE+ 30W (Power over Ethernet Plus) 4PPoE 100W (Power over Ethernet)
Communication network type	1000BASE-T
Minimum return loss	Guaranteed: 20.1 dB at 100 MHz typical: 23 dB Guaranteed: 17.3 dB at 250 MHz typical: 19 dB
Attenuation	Guaranteed: 19.9 dB Typical: 19.1 dB @ 100 MHz Guaranteed: 33 dB Typical: 32 dB @ 250 MHz
Power sum near-end crosstalk [PSNEXT]	Guaranteed: 42.3 dB at 100 MHz Guaranteed: 36.3 dB at 250 MHz
Attenuation to Crosstalk Ratio Far-end [ACRF]	Guaranteed: 28 dB at 100 MHz Guaranteed: 20 dB at 250 MHz
Power sum attenuation crosstalk ratio far-end [PSACRF]	25 dB at 100 MHz 17 dB at 250 MHz
Near end crosstalk [NEXT]	Guaranteed: 45.3 dB at 100 MHz Guaranteed: 39.3 dB at 250 MHz
Input impedance	100 Ohm
Transverse conversion loss	$\geq 40 - 10 \times \log(f)$ dB from 1...250 MHz conforming to IEC 61156-5, ed. 2.1
Segregation class	Class b conforming to EN 50174-2
Maximum resistance unbalance	2 %
Pulling force	140 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

Euroclass level	Dca s2 d2 a2
Nominal velocity propagation	68 %
AWG gauge	AWG 24
Calorific value	365 MJ/km
Cable outer diameter	5.5 mm
Cable length	305 m
Cable weight	35 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 50288-6-1 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	27.000 cm
Package 1 Width	43.000 cm
Package 1 Length	44.000 cm
Package 1 Weight	11.420 kg
Unit Type of Package 2	P12
Number of Units in Package 2	12
Package 2 Height	102.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	159.000 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

Toxic heavy metal free	Yes
Mercury free	Yes
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)