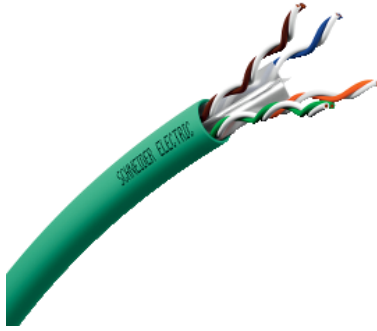


# Product datasheet

Specifications



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

VDICD116118

### 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
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 PE (polyethylene): sheath

<b>Euroclass level</b>	Dca s2 d2 a2
<b>Nominal velocity propagation</b>	68 %
<b>AWG gauge</b>	AWG 23
<b>Calorific value</b>	599 MJ/km
<b>Cable outer diameter</b>	5.9 mm
<b>Cable weight</b>	40.9 kg / 1 km

## Environment

<b>Ambient air temperature for installation</b>	0...50 °C
<b>Ambient air temperature for storage</b>	-20...60 °C
<b>Ambient air temperature for operation</b>	-20...60 °C
<b>Directives</b>	2006/95/EC - low voltage directive 305/2011/EU - construction product regulation
<b>Flame retardance</b>	LSZH
<b>Standards</b>	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

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	12.916 kg
<b>Package 1 Height</b>	27.0 cm
<b>Package 1 width</b>	43.0 cm
<b>Package 1 Length</b>	45.0 cm
<b>Unit Type of Package 2</b>	P12
<b>Number of Units in Package 2</b>	12
<b>Package 2 Weight</b>	171.0 kg
<b>Package 2 Height</b>	102.0 cm
<b>Package 2 width</b>	80.0 cm
<b>Package 2 Length</b>	120.0 cm

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>REACH free of SVHC</b>	Yes
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Toxic heavy metal free</b>	Yes
<b>Mercury free</b>	Yes

---

<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>

---