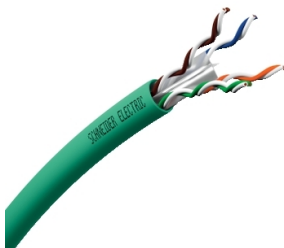


# Product data sheet

Specifications



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

VDICD116118

⚠ Discontinued on: Dec 31, 2021

⚠ Discontinued

### 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 [Psnex]	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	>= 40 - 10 x log(f) dB from 1...250 MHz conforming to IEC 61156-5, ed. 2.1
Maximum Loop Resistance	147.6 Ohm per 1000 m
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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Material	Solid bare copper: conductor PE (polyethylene): wire insulation PE (polyethylene): sheath
Euroclass Level	Dca s2 d2 a2
Nominal Velocity Propagation	68 %
Linear Conductor Resistance	73.8 mΩ/m
Awg Gauge	AWG 23
Calorific Value	599 MJ/km
Cable Outer Diameter	5.9 mm
Cable Weight	40.9 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 cm
Package 1 Width	43 cm
Package 1 Length	45 cm
Package 1 Weight	12.916 kg

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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[Guide to assess a product's sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

✓ Reach Free Of Svhc

✓ Rohs Exemption Information   [Yes](#)

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations