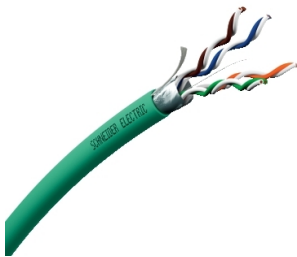# Product data sheet

Specifications

Copper LAN cable, Actassi, F/UTP, 4P, Cat6, Euroclass D, 250MHz, LSZH, 500m

VDICD136218

Main

Range	Actassi
Product Name	Actassi PL
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	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
Coupling Attenuation	>= 55 dB from 30…100 MHz conforming to IEC 61156-5, ed. 2 type II >= 55 - 20 x log10(f / 100) dB from 100…250 MHz conforming to IEC 61156-5, ed. 2 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	154.8 Ohm per 1000 m
Segregation Class	Class c conforming to EN 50174-2
Maximum Resistance Unbalance	2 %
Pulling Force	90 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	77.4 mΩ/m
Awg Gauge	AWG 24
Calorific Value	821 MJ/km
Cable Outer Diameter	7.1 mm
Cable Weight	49 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 50288-5-1 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	26.500 cm
Package 1 Width	46.000 cm
Package 1 Length	46.000 cm
Package 1 Weight	28.000 kg
Unit Type Of Package 2	P12
Number Of Units In Package 2	9
Package 2 Height	93.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	264.000 kg

Sustainability

Green Premium^{TM} 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_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

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   REACh Declaration

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)

Environmental Disclosure   Product Environmental Profile

Circularity Profile   No need of specific recycling operations

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