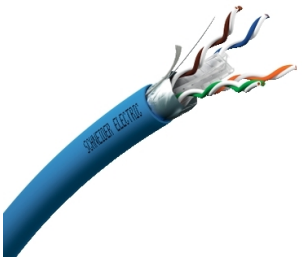
Product data sheet

Specifications



Copper LAN cable, Actassi, F/UTP, 4P, Cat6A, Euroclass C, 550MHz, LSFRZH, 1000m

VDICC63X318

Discontinued on: Feb 15, 2021

Discontinued

Main

Range	Actassi
Product Or Component Type	Copper cable
Cable Packaging	Drum of 1000 m
Colour Tint	Blue
Cable Shielding Type	F/UTP

Complementary

Type Of Cable	4 pair cables
Communication Network Category	6_A
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 type II >= 55 - 20 x log10(f / 100) dB from 100…500 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	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	Cca s1 d1 a1
Nominal Velocity Propagation	68 %
Linear Conductor Resistance	74.7 mΩ/m
Awg Gauge	AWG 23
Calorific Value	902 MJ/km
Cable Outer Diameter	7.9 mm
Cable Weight	55 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	LSFRZH
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 60332-3C fire resistance 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

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_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 >

RoHS/REACh

Well-being performance

Reach Free Of Svhc	
Toxic Heavy Metal Free	
Mercury Free	
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)
Circularity Profile	No need of specific recycling operations