

Product datasheet

Specifications



Copper LAN cable, Actassi CL-MX, F/FTP, 4P, Cat6A, Euroclass D, 550MHz, LSZH, 500m

VDICD68X218

Main

Range	Actassi
Product Or Component Type	Copper cable
Cable Packaging	Drum of 500 m
Colour Tint	Blue
Cable Shielding Type	F/FTP with exclusive patented metallic crossfiller

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 [Psn _{next}]	Guaranteed: 62.3 dB Typical: 71.0 dB at 100 MHz Guaranteed: 56.3 dB Typical: 64.2 dB at 250 MHz Guaranteed: 51.8 dB Typical: 59.1 dB at 500 MHz
Attenuation To Crosstalk Ratio Far-End [Acr _f]	Guaranteed: 38 dB Typical: 54.7 dB at 100 MHz Guaranteed: 30 dB Typical: 46.6 dB at 250 MHz Guaranteed: 24 dB Typical: 40.5 dB at 500 MHz
Power Sum Attenuation Crosstalk Ratio Far-End [P _{sacr}]	35 dB at 100 MHz 27 dB at 250 MHz 21 dB at 500 MHz
Near End Crosstalk [Next]	Guaranteed: 65.3 dB Typical: 85.5 dB at 100 MHz Guaranteed: 59.3 dB Typical: 83.1 dB at 250 MHz Guaranteed: 54.8 dB Typical: 60.1 dB at 500 MHz
Coupling Attenuation	>= 75 dB from 30...100 MHz conforming to IEC 61156-5, ed. 2 type Ib >= 75 - 20 x log ₁₀ (f / 100) dB from 100...1000 MHz conforming to IEC 61156-5, ed. 2 type Ib
Transfer Impedance	<= 10 mOhm/m at 1...10 MHz conforming to IEC 61156-5, ed. 2 (grade 1) <= 30 mOhm/m at 30 MHz conforming to IEC 61156-5, ed. 2 (grade 1) <= 60 mOhm/m at 100 MHz conforming to IEC 61156-5, ed. 2 (grade 1)
Input Impedance	100 Ohm
Maximum Loop Resistance	143.2 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 Metallic crossfiller: screen Tinned copper: drain wire PE (polyethylene): sheath
Euroclass Level	Dca s2 d1 a1
Nominal Velocity Propagation	82 %
Linear Conductor Resistance	71.6 mΩ/m
Awg Gauge	AWG 23
Calorific Value	595 MJ/km
Cable Outer Diameter	7.3 mm
Cable Length	500 m
Cable Weight	54 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 50288-10-1 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	44.500 cm
Package 1 Width	40.000 cm
Package 1 Length	40.000 cm
Package 1 Weight	28.500 kg
Unit Type Of Package 2	P12
Number Of Units In Package 2	12
Package 2 Height	105.000 cm
Package 2 Width	80.000 cm

Package 2 Length 120.000 cm

Package 2 Weight 357.000 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-CO₂ 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