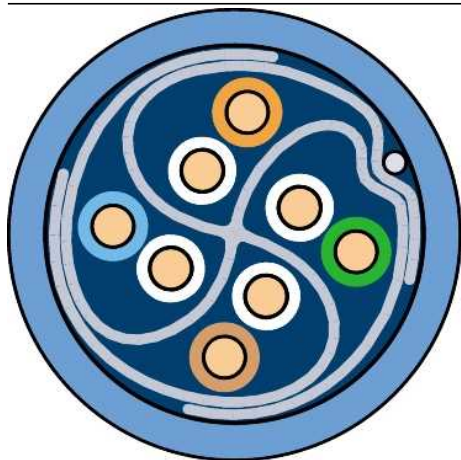


VDIC68X318

Actassi CL-MXC6A Cable LAN F/FTP 4P
Cat6_A 550MHz LSZH 1000m



Main

Range	Actassi
Product	Network cable
Type of cable	4 twisted-pairs cable
Cable shielding type	F/FTP with exclusive patented metallic crossfiller
Communication network category	6 _A
Supported applications	10GBASE-T
Protocol	PoE+ (Power over Ethernet) VoIP (Voice IP)
Cable colour	Blue
Material	Screen : metallic crossfiller Jacket : LSZH (low smoke fire retardant, zero halogen) Wire insulation : PE (polyethylene) Conductor : solid bare copper

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Complementary

Return loss	17.3 dB @500 MHz 17.3 dB @400 MHz 17.3 dB @300 MHz 17.3 dB @250 MHz 18 dB @200 MHz 19.4 dB @125 MHz 20.1 dB @100 MHz 21.5 dB @62.5 MHz 25 dB @20 MHz 25 dB @16 MHz 25 dB @10 MHz 23 dB @4 MHz
Attenuation	45.3 dB @500 MHz 40.1 dB @400 MHz 34.3 dB @300 MHz 31.1 dB @250 MHz 27.6 dB @200 MHz 21.5 dB @125 MHz 19.1 dB @100 MHz 15 dB @62.5 MHz 10.5 dB @31.25 MHz 8.4 dB @20 MHz 7.5 dB @16 MHz 5.9 dB @10 MHz 3.8 dB @4 MHz
Near end crosstalk	54.8 dB @500 MHz 56.3 dB @400 MHz 58.1 dB @300 MHz 75.8 dB @20 MHz 77.2 dB @16 MHz 78 dB @10 MHz 78 dB @4 MHz 59.3 dB @250 MHz 60.8 dB @200 MHz 63.8 dB @125 MHz 65.3 dB @100 MHz 68.4 dB @62.5 MHz 72.9 dB @31.25 MHz
Power Sum Near End Crosstalk (PS NEXT)	51.8 dB @500 MHz 53.3 dB @400 MHz 55.1 dB @300 MHz 56.3 dB @250 MHz 57.8 dB @200 MHz 60.8 dB @125 MHz 62.3 dB @100 MHz 65.4 dB @62.5 MHz 69.9 dB @31.25 MHz 72.8 dB @20 MHz 74.2 dB @16 MHz 75 dB @10 MHz 75 dB @4 MHz
Attenuation Crosstalk Ratio Far-end (ACR-F)	24 dB @500 MHz 26 dB @400 MHz 28.5 dB @300 MHz 30 dB @250 MHz 32 dB @200 MHz 36.1 dB @125 MHz 38 dB @100 MHz 42.1 dB @62.5 MHz 48.1 dB @31.25 MHz 52 dB @20 MHz 53.9 dB @16 MHz 58 dB @10 MHz 66 dB @4 MHz

Power Sum Alien Crosstalk Ratio Far-end (PS ACR-F)	21 dB @500 MHz 23 dB @400 MHz 25.5 dB @300 MHz 27 dB @250 MHz 29 dB @200 MHz 33.1 dB @125 MHz 35 dB @100 MHz 39.1 dB @62.5 MHz 45.1 dB @31.25 MHz 49 dB @20 MHz 50.9 dB @16 MHz 55 dB @10 MHz 63 dB @4 MHz
Power Sum Attenuation to Alien Crosstalk Far-end (PS AACR-F)	24.2 dB @500 MHz 26.2 dB @400 MHz 28.7 dB @300 MHz 30.2 dB @250 MHz 32.2 dB @200 MHz 36.3 dB @125 MHz 38.2 dB @100 MHz 42.3 dB @62.5 MHz 48.3 dB @31.25 MHz 52.2 dB @20 MHz 54.1 dB @16 MHz 58.2 dB @10 MHz 66.2 dB @4 MHz
Power Sum Alien Near End Crosstalk (PS ANEXT)	52 dB @500 MHz 53.5 dB @400 MHz 55.3 dB @300 MHz 56.5 dB @250 MHz 58 dB @200 MHz 61 dB @125 MHz 62.5 dB @100 MHz 65.6 dB @62.5 MHz 67 dB @31.25 MHz 67 dB @20 MHz 67 dB @16 MHz 67 dB @10 MHz 67 dB @4 MHz
Input impedance	100 Ohm @1...500 MHz
Delay skew	<= 45 ns @1...500 MHz
Resistance unbalance	<= 2 %
TCL	>= 40 - 10 x log(f) dB from 1...250 MHz (IEC 61156-5 Ed2
Coupling attenuation	>= 75 - 20 x log ₁₀ (f / 100) dB from 100...1000 MHz (IEC 61156-5 Ed2, type Ib) >= 75 dB from 30...100 MHz (IEC 61156-5 Ed2, type Ib)
Transfer impedance	<= 60 mOhm/m 100 MHz (IEC 61156-5 Ed2, grade 1) <= 30 mOhm/m 30 MHz (IEC 61156-5 Ed2, grade 1) <= 10 mOhm/m 1...10 MHz (IEC 61156-5 Ed2, grade 1)
NVP	82 %
Pulling force	<= 400 N
Calorific value	595 MJ/km
AWG	23
Bending radius	Minimum bending radius during installation : 8 x overall diameter Minimum bending radius after installation : 4 x overall diameter
Cable outer diameter	7.3 mm
Cable packaging	Drum of 1000 m
Cable weight	55 kg/km

Environment

Ambient air temperature for installation	0...50 °C
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-20...60 °C
Temperature resistance	60 °C
Standards	Performance : EN 50288-10-1 Installation standards : EN 50174-1 Installation standards : ISO/IEC 14763-2 Smoke generation : IEC 61034 Acidity of combustion gases : IEC 60754-2 Halogen gas evolution : IEC 60754-1 Flame propagation characteristics : IEC 60332-1 Performance : EN 50173-1 Performance : IEC 61156-5 Ed2