

**Main**

Range	Actassi
Product or component type	Network cable
Cable packaging	Drum of 500 m
Colour tint	Blue
Cable shielding type	F/FTP with exclusive patented metallic crossfiller

**Complementary**

Localisation on device	Conductor : solid bare copper Wire insulation : PE (polyethylene)
Type of cable	4 twisted-pairs cable
Cable cross section	0.25 mm <sup>2</sup>
Communication network category	6A
Communication port protocol	VoIP (Voice IP) PoE 15W (Power over Ethernet) PoE+ 30W (Power over Ethernet Plus)
Communication network type	10GBASE-T
Return loss	Guaranteed: >= 23 dB Typical: 26 dB @4 MHz
Attenuation	3.8 dB at 4 MHz 3.7 dB
Power sum near-end crosstalk [PS NEXT]	Guaranteed: 75 dB @4 MHz
Power sum alien near-end crosstalk [PS ANEXT]	62.5 dB at 100 MHz 67 dB at 4 MHz 67 dB at 10 MHz 67 dB at 16 MHz 67 dB at 20 MHz 67 dB at 31.25 MHz 65.6 dB at 62.5 MHz 58 dB at 200 MHz 56.5 dB at 250 MHz 55.3 dB at 300 MHz 53.5 dB at 400 MHz 52 dB at 500 MHz


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

Power sum attenuation to alien crosstalk ratio far-end [PS AACR-F]	66.2 dB at 4 MHz 58.2 dB at 10 MHz 54.1 dB at 16 MHz 52.2 dB at 20 MHz 48.3 dB at 31.25 MHz 42.3 dB at 62.5 MHz 38.2 dB at 100 MHz 32.2 dB at 200 MHz 30.2 dB at 250 MHz 28.7 dB at 300 MHz 26.2 dB at 400 MHz 24.2 dB at 500 MHz
Attenuation to Crosstalk Ratio Far-end [ACR-F]	Guaranteed: 66 dB @4 MHz
Power sum attenuation crosstalk ratio far-end [PS ACR-F]	63 dB 4 MHz
Near end crosstalk [NEXT]	Guaranteed: 75 dB Typical: 85.5 dB @4 MHz
Coupling attenuation	>= 75 dB from 30...100 MHz conforming to IEC 61156-5, ed. 2 type Ib)
Transfer impedance	<= 30 mOhm/m 30 MHz conforming to IEC 61156-5, ed. 2 grade 1)
Input impedance	100 Ohm at 1...500 MHz
Transverse conversion loss	>= 40 - 10 x log(f) dB from 1...250 MHz conforming to IEC 61156-5, ed. 2.1)
Segregation class	Class c conforming to EN 50174-2)
Resistance unbalance	<= 2 %
Pulling force	400 N
Bending radius	Minimum bending radius after installation : 4 x overall diameter Minimum bending radius during installation : 8 x overall diameter
Nominal velocity propagation	82 %
AWG gauge	AWG 23
Calorific value	765 MJ/km
Cable outer diameter	7.7 mm
Cable weight	63 kg
Targeted region	Asia Pacific

## Environment

Ambient air temperature for installation	0...50 °C
Environmental characteristic	Halogen free Low smoke emission
Ambient air temperature for storage	-20...60 °C
Temperature resistance	60 °C
Ambient air temperature for operation	-20...60 °C
Directives	2006/95/EC - low voltage directive 2011/65/EU - RoHS directive
Standards	Halogen gas evolution : IEC 60754-1 Acidity of combustion gases : IEC 60754-2 Smoke generation : IEC 61034 Performance : EN 50173-1 Flame propagation characteristics : IEC 60332-1 Installation standards : ISO/IEC 14763-2 Performance : IEC 61156-5 ed. 2.1 Installation standards : EN 50174-2 Performance : IEEE 802.3af Performance : IEEE 802.3at

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1201 - Schneider Electric declaration of conformity  <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>

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Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

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### Contractual warranty

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Warranty period	18 months
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### VDIC68X218F01 is replaced by:



#### Copper Cable VDICC68X218

Actassi Cable LAN F/FTP 4P Cat6A Euroclass C 550MHz LSFRZH 500m

Qty 500

Reason for Substitution: End of life | Substitution date: 01 July 2017

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