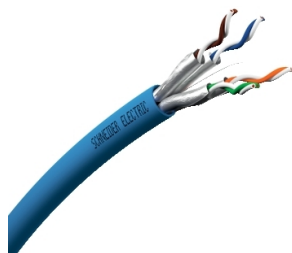


# Product data sheet

Specifications



## Copper LAN Cable, Actassi, U/FTP, 2x4P, Cat6A, Euroclass C, 550MHz, LSFRZH, 500m

VDICC62X228

### Main

|                           |               |
|---------------------------|---------------|
| Range                     | Actassi       |
| Product Or Component Type | Copper cable  |
| Cable Packaging           | Drum of 500 m |
| Colour Tint               | Blue          |
| Cable Shielding Type      | U/FTP         |

### Complementary

|   |  |
|---|--|
| Type Of Cable   | 2x4 twisted-pairs cable  |
| Communication Network Category                                      | 6 <sub>A</sub>   |
| Remote Powering   | PoE 15W (Power over Ethernet)<br>PoE+ 30W (Power over Ethernet Plus)<br>4PPoE 100W (Power over Ethernet)   |
| Communication Network Type  | 10GBASE-T  |
| Minimum Return Loss   | Guaranteed: 20.1 dB at 100 MHz typical: 24.2 dB<br>Guaranteed: 17.3 dB at 250 MHz typical: 22 dB<br>Guaranteed: 17.3 dB at 500 MHz typical: 20.3 dB                |
| Attenuation   | Guaranteed: 19.1 dB Typical: 17.5 dB @ 100 MHz<br>Guaranteed: 31.1 dB Typical: 28.4 dB @ 250 MHz<br>Guaranteed: 45.3 dB Typical: 41.4 dB @ 500 MHz                 |
| Power Sum Near-End Crosstalk [Psn <sub>ext</sub> ]                  | Guaranteed: 62.3 dB Typical: 71.0 dB at 100 MHz<br>Guaranteed: 56.3 dB Typical: 64.2 dB at 250 MHz<br>Guaranteed: 51.8 dB Typical: 59.1 dB at 500 MHz              |
| Attenuation To Crosstalk Ratio Far-End [Acr <sub>f</sub> ]          | Guaranteed: 38 dB Typical: 54.7 dB at 100 MHz<br>Guaranteed: 30 dB Typical: 46.6 dB at 250 MHz<br>Guaranteed: 24 dB Typical: 40.5 dB at 500 MHz                    |
| Power Sum Attenuation Crosstalk Ratio Far-End [Psa <sub>crf</sub> ] | 35 dB at 100 MHz<br>27 dB at 250 MHz<br>21 dB at 500 MHz   |
| Near End Crosstalk [N <sub>ext</sub> ]                              | Guaranteed: 65.3 dB Typical: 85.5 dB at 100 MHz<br>Guaranteed: 59.3 dB Typical: 83.1 dB at 250 MHz<br>Guaranteed: 54.8 dB Typical: 60.1 dB at 500 MHz              |
| Coupling Attenuation  | >= 55 dB from 30...100 MHz conforming to IEC 61156-5, ed. 2 type II<br>>= 55 - 20 x log10(f / 100) dB from 100...1000 MHz conforming to IEC 61156-5, ed. 2 type II |
| Transfer Impedance  | <= 50 mOhm/m at 1 MHz (grade 2)<br><= 1000 mOhm/m at 100 MHz (grade 2)   |
| Input Impedance   | 100 Ohm  |
| Maximum Loop Resistance   | 152.2 Ohm per 1000 m   |
| Segregation Class   | Class c conforming to EN 50174-2   |

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

|                              |   |
|------------------------------|---|
| Maximum Resistance Unbalance | 2 %   |
| Pulling Force                | 240 N   |
| Bending Radius               | Minimum bending radius during installation: 8 x overall diameter<br>Minimum bending radius after installation: 4 x overall diameter                       |
| Material                     | Solid bare copper: conductor<br>PE (polyethylene): wire insulation<br>Aluminium/polyester: foil<br>Tinned copper: drain wire<br>PE (polyethylene): sheath |
| Euroclass Level              | Cca s1 d1 a1  |
| Nominal Velocity Propagation | 76 %  |
| Linear Conductor Resistance  | 76.1 mΩ/m   |
| Awg Gauge                    | AWG 23  |
| Calorific Value              | 1228 MJ/km  |
| Cable Outer Diameter         | 8.1 mm  |
| Width                        | 16.2 mm   |
| Cable Length                 | 500 m   |
| Cable Weight                 | 112 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<br>305/2011/EU - construction product regulation   |
| Flame Retardance                         | LSFRZH  |
| Standards                                | ISO/IEC 11801-ed. 3 performance<br>EN 50173-1 performance<br>EN 50174-1 performance<br>ANSI/TIA/EIA-568-C.2 performance<br>IEC 61156-5-ed. 2.1 performance<br>EN 50288-10-1 performance<br>ISO/IEC 14763-2 installation standards<br>EN 50174-2 installation standards<br>IEC 60332-1 flame propagation characteristics<br>IEC 60332-3C fire resistance<br>IEC 60754-1<br>IEC 60754-2 acidity of combustion gases<br>IEC 61034 smoke generation |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type Of Package 1       | PCE      |
| Number Of Units In Package 1 | 1        |
| Package 1 Height             | 33.0 cm  |
| Package 1 Width              | 60.0 cm  |
| Package 1 Length             | 60.0 cm  |
| Package 1 Weight             | 57.0 kg  |
| Unit Type Of Package 2       | P12      |
| Number Of Units In Package 2 | 4        |
| Package 2 Height             | 106.0 cm |

|                  |          |
|------------------|----------|
| Package 2 Width  | 80.0 cm  |
| Package 2 Length | 120.0 cm |
| Package 2 Weight | 228.0 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-CO<sub>2</sub> products.

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[Guide to assess a product's sustainability >](#)



RoHS/REACH

## Well-being performance

✓ Reach Free Of Svhc

✓ Rohs Exemption Information [Yes](#)

## Certifications & Standards

|                       |   |
|-----------------------|---|
| Reach Regulation      | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive     | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>           |
| China Rohs Regulation | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope) |
| Circularity Profile   | No need of specific recycling operations  |