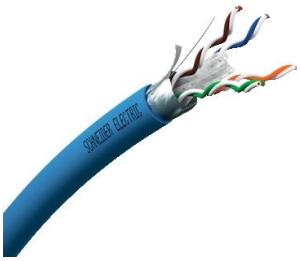
# Product datasheet

Specifications



## Actassi - cable - category 6A - FTP - 10G - 305m - blue - CM

ACTTG4P6ASCM3RBU

## Main

| | |
|---|---|
| **Range** | Actassi |
| **Product Or Component Type** | Copper cable |
| **Colour Tint** | Blue |
| **Cable Shielding Type** | F/UTP |

## Complementary

| | |
|---|---|
| **Type Of Cable** | 4 pair cables |
| **Communication Network Category** | $6_A$ |
| **Minimum Return Loss** | Guaranteed: 20 dB at 1 kHz<br>Guaranteed: 23 dB at 4 kHz<br>Guaranteed: 24.5 dB at 8 kHz<br>Guaranteed: 25 dB at 10 kHz<br>Guaranteed: 25 dB at 16 kHz<br>Guaranteed: 25 dB at 20 kHz<br>Guaranteed: 24.3 dB at 25 kHz<br>Guaranteed: 23.6 dB at 31.25 kHz<br>Guaranteed: 21.5 dB at 62.5 kHz<br>Guaranteed: 20.1 dB at 100 kHz<br>Guaranteed: 18 dB at 200 kHz<br>Guaranteed: 17.3 dB at 250 kHz<br>Guaranteed: 16.8 dB at 300 kHz<br>Guaranteed: 15.9 dB at 400 kHz<br>Guaranteed: 15.2 dB at 500 kHz |
| **Attenuation** | Guaranteed: 2.1 dB @ 1 MHz per 100 m cable<br>Guaranteed: 3.8 dB @ 4 MHz per 100 m cable<br>Guaranteed: 5.3 dB @ 8 MHz per 100 m cable<br>Guaranteed: 5.9 dB @ 10 MHz per 100 m cable<br>Guaranteed: 7.5 dB @ 16 MHz per 100 m cable<br>Guaranteed: 8.4 dB @ 20 MHz per 100 m cable<br>Guaranteed: 9.4 dB @ 25 MHz per 100 m cable<br>Guaranteed: 10.5 dB @ 31.25 MHz per 100 m cable<br>Guaranteed: 15 dB @ 62.5 MHz per 100 m cable<br>Guaranteed: 9.1 dB @ 100 MHz per 100 m cable<br>Guaranteed: 27.6 dB @ 200 MHz per 100 m cable<br>Guaranteed: 31.1 dB @ 250 MHz per 100 m cable<br>Guaranteed: 34.3 dB @ 300 MHz per 100 m cable<br>Guaranteed: 40.1 dB @ 400 MHz per 100 m cable<br>Guaranteed: 45.3 dB @ 500 MHz per 100 m cable |

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 Alien Near-End Crosstalk [Psanext]** | 67 dB at 1 MHz<br>67 dB at 4 MHz<br>67 dB at 8 MHz<br>67 dB at 10 MHz<br>67 dB at 16 MHz<br>67 dB at 20 MHz<br>67 dB at 25 MHz<br>67 dB at 31.25 MHz<br>65.6 dB at 62.5 MHz<br>65.6 dB at 100 MHz<br>58 dB at 200 MHz<br>56.5 dB at 250 MHz<br>55.3 dB at 300 MHz<br>53.5 dB at 400 MHz<br>52 dB at 500 MHz |
| **Power Sum Attenuation To Alien Crosstalk Ratio Far-End [Psaacrf]** | 66.2 dB at 4 MHz<br>60.1 dB at 8 MHz<br>58.2 dB at 10 MHz<br>54.1 dB at 16 MHz<br>52.2 dB at 20 MHz<br>50.2 dB at 25 MHz<br>48.3 dB at 31.25 MHz<br>42.3 dB at 62.5 MHz<br>38.2 dB at 100 MHz<br>32.2 dB at 200 MHz<br>30.2 dB at 250 MHz<br>28.7 dB at 300 MHz<br>26.2 dB at 400 MHz<br>24.2 dB at 500 MHz |
| **Near End Crosstalk [Next]** | Guaranteed: 74.3 dB at 1 MHz<br>Guaranteed: 65.3 dB at 4 MHz<br>Guaranteed: 60.8 dB at 8 MHz<br>Guaranteed: 59.3 dB at 10 MHz<br>Guaranteed: 56.2 dB at 16 MHz<br>Guaranteed: 54.8 dB at 20 MHz<br>Guaranteed: 53.3 dB at 25 MHz<br>Guaranteed: 51.9 dB at 31.25 MHz<br>Guaranteed: 47.4 dB at 62.5 MHz<br>Guaranteed: 44.3 dB at 100 MHz<br>Guaranteed: 39.8 dB at 200 MHz<br>Guaranteed: 38.3 dB at 250 MHz<br>Guaranteed: 37.1 dB at 300 MHz<br>Guaranteed: 35.3 dB at 400 MHz<br>Guaranteed: 33.8 dB at 500 MHz |
| **Input Impedance** | 100 Ohm (+/- 15 %) at 1…100 MHz<br>100 Ohm (+/- 22 %) at 100…250 MHz |
| **Maximum Loop Resistance** | 72 Ohm |
| **Capacitance Unbalance** | 330 pF / 100 m |
| **Maximum Resistance Unbalance** | 5 % |
| **Wire Insulation Material** | PE |
| **Conductor Material** | Solid bare copper |
| **Awg Gauge** | AWG 23 |
| **Cable Outer Diameter** | 7.3 mm |
| **Cable Length** | 305 m |
| **Cable Weight** | 17 kg |

# Environment

| | |
|---|---|
| **Ambient Air Temperature For Operation** | 75 °C |
| **Flame Retardance** | CM |
| **Standards** | ISO/IEC 11801 Ea<br>ANSI/TIA-568-C.2 |

## Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 24.0 cm |
| **Package 1 Width** | 43.0 cm |
| **Package 1 Length** | 43.5 cm |
| **Package 1 Weight** | 19.4 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty** | 18 months |

## 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.

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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)<br>EU RoHS Declaration |
| **China Rohs Regulation** | China RoHS declaration<br>Pro-active China RoHS declaration (out of China RoHS legal scope) |
| **Environmental Disclosure** | Product Environmental Profile |
| **Circularity Profile** | No need of specific recycling operations |