



### Main

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|---------------------------|--------------|
| Range of product          | Actassi      |
| Product or component type | Copper cable |

### Complementary

|                                |   |
|--------------------------------|---|
| Type of cable                  | 4 pair cables   |
| Cable shielding type           | FTP   |
| Communication network category | 6A  |
| Flame retardance               | LSZH  |
| Return loss                    | 20 dB, at 1 MHz<br>23 dB, at 4 MHz<br>24.5 dB, at 8 MHz<br>25 dB, at 10 MHz<br>25 dB, at 16 MHz<br>25 dB, at 20 MHz<br>24.3 dB, at 25 MHz<br>23.6 dB, at 31.25 MHz<br>21.5 dB, at 62.5 MHz<br>20.1 dB, at 100 MHz<br>18 dB, at 200 MHz<br>17.3 dB, at 250 MHz<br>16.8 dB, at 300 MHz<br>15.9 dB, at 400 MHz<br>15.2 dB, at 500 MHz  |
| Attenuation                    | 2.1 dB at 1 MHz, cable length 100 m<br>3.8 dB at 4 MHz, cable length 100 m<br>5.3 dB at 8 MHz, cable length 100 m<br>5.9 dB at 10 MHz, cable length 100 m<br>7.5 dB at 16 MHz, cable length 100 m<br>8.4 dB at 20 MHz, cable length 100 m<br>9.4 dB at 25 MHz, cable length 100 m<br>10.5 dB at 31.25 MHz, cable length 100 m<br>15 dB at 62.5 MHz, cable length 100 m<br>9.1 dB at 100 MHz, cable length 100 m<br>27.6 dB at 200 MHz, cable length 100 m<br>31.1 dB at 250 MHz, cable length 100 m<br>34.3 dB at 300 MHz, cable length 100 m<br>40.1 dB at 400 MHz, cable length 100 m<br>45.3 dB at 500 MHz, cable length 100 m |

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| Power Sum Near End Crosstalk (PS NEXT)                       | 72.3 dB at 1 MHz<br>63.3 dB at 4 MHz<br>58.8 dB at 8 MHz<br>57.3 dB at 10 MHz<br>54.2 dB at 16 MHz<br>52.8 dB at 20 MHz<br>51.3 dB at 25 MHz<br>49.9 dB at 31.25 MHz<br>45.4 dB at 62.5 MHz<br>42.3 dB at 100 MHz<br>37.8 dB at 200 MHz<br>36.3 dB at 250 MHz<br>35.1 dB at 300 MHz<br>35.1 dB at 400 MHz<br>31.8 dB at 500 MHz |
| Power Sum Alien Near End Crosstalk (PS ANEXT)                | 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 Far-end (PS AACR-F) | 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   | 74.3 dB at 1 MHz<br>65.3 dB at 4 MHz<br>60.8 dB at 8 MHz<br>59.3 dB at 10 MHz<br>56.2 dB at 16 MHz<br>54.8 dB at 20 MHz<br>53.3 dB at 25 MHz<br>51.9 dB at 31.25 MHz<br>47.4 dB at 62.5 MHz<br>44.3 dB at 100 MHz<br>39.8 dB at 200 MHz<br>38.3 dB at 250 MHz<br>37.1 dB at 300 MHz<br>35.3 dB at 400 MHz<br>33.8 dB at 500 MHz |
| Input impedance  | 100 Ohm (+/- 15 %) at 1...100 MHz<br>100 Ohm (+/- 22 %) at 100...250 MHz  |
| Loop resistance  | 72 Ohm/km   |
| Capacitance unbalance  | 330 pF / 100 m  |
| Resistance unbalance   | 5 %   |
| Colour tint  | Blue  |
| Wire insulation material                                     | PE  |
| Conductor material   | Solid bare copper   |
| AWG gauge  | AWG 23  |
| Temperature resistance                                       | 75 °C   |
| Cable outer diameter   | 7.3 mm  |
| Cable length   | 305 m   |
| Cable weight   | 17 kg/km  |

## Environment

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| Standards | ISO/IEC 11801 Ea<br>TIA/EIA-568-B.2-10 |
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## Offer Sustainability

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| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 0852 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available   |
| Product end of life instructions | Need no specific recycling operations   |

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