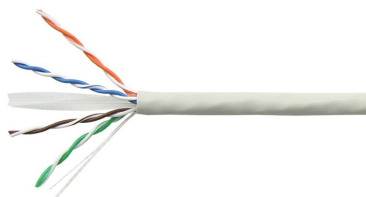


# 1427071-4 | CS30CM GRY C6 4/24 U/UTP RIB 305M

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Copper Cable, category 6, 4 pair, UTP, CM rated, 24 AWG, 305 m reel in box, gray

## Product Classification

|                              |                    |
|------------------------------|--------------------|
| <b>Regional Availability</b> | Asia               |
| <b>Portfolio</b>             | NETCONNECT®        |
| <b>Product Type</b>          | Twisted pair cable |

## General Specifications

|                                |   |
|--------------------------------|---|
| <b>Product Number</b>          | CS30CM  |
| <b>ANSI/TIA Category</b>       | 6   |
| <b>Cable Component Type</b>    | Horizontal  |
| <b>Cable Type</b>              | U/UTP (unshielded)  |
| <b>Conductor Type, singles</b> | Solid   |
| <b>Conductors, quantity</b>    | 8   |
| <b>Jacket Color</b>            | Gray  |
| <b>Pairs, quantity</b>         | 4   |
| <b>Transmission Standards</b>  | ANSI/TIA-568.2-D   CENELEC EN 50288-6-1   ISO/IEC 11801 Class E |

## Dimensions

|  |                     |
|--|---------------------|
| <b>Cable Length</b>                      | 304.8 m   1000 ft   |
| <b>Diameter Over Insulated Conductor</b> | 0.978 mm   0.038 in |
| <b>Diameter Over Jacket, nominal</b>     | 5.588 mm   0.22 in  |
| <b>Conductor Gauge, singles</b>          | 24 AWG              |

## Electrical Specifications

|   |         |
|---|---------|
| <b>Characteristic Impedance</b>         | 100 ohm |
| <b>dc Resistance Unbalance, maximum</b> | 5 %     |

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|  |   |
|--|---|
| <b>dc Resistance, maximum</b>                | 9.38 ohms/100 m   2.859 ohms/100 ft   |
| <b>Delay Skew, maximum</b>                   | 45 ns   |
| <b>Dielectric Strength, minimum</b>          | 1500 Vac   2500 Vdc   |
| <b>Mutual Capacitance at Frequency</b>       | 5.6 nF/100 m @ 1 kHz  |
| <b>Nominal Velocity of Propagation (NVP)</b> | 67 %  |
| <b>Operating Frequency, maximum</b>          | 250 MHz   |
| <b>Operating Voltage, maximum</b>            | 80 V  |
| <b>Propagation Delay, maximum</b>            | 536 ns/100m @250MHz   |
| <b>Remote Powering</b>                       | Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A |

## Material Specifications

|                            |             |
|----------------------------|-------------|
| <b>Conductor Material</b>  | Bare copper |
| <b>Insulation Material</b> | Polyolefin  |
| <b>Jacket Material</b>     | PVC         |

## Mechanical Specifications

|                                 |                                  |
|---------------------------------|----------------------------------|
| <b>Minimum Bend Radius Note</b> | 4 times the outer cable diameter |
|---------------------------------|----------------------------------|

## Environmental Specifications

|                                 |                                     |
|---------------------------------|-------------------------------------|
| <b>Installation temperature</b> | -0 °C to +60 °C (-32 °F to +140 °F) |
| <b>Operating Temperature</b>    | -20 °C to +60 °C (-4 °F to +140 °F) |
| <b>Storage Temperature</b>      | -20 °C to +80 °C (-4 °F to +176 °F) |
| <b>Environmental Space</b>      | Non-plenum                          |
| <b>Flame Test Method</b>        | CM                                  |

## Packaging and Weights

|                       |             |
|-----------------------|-------------|
| <b>Packaging Type</b> | Reel in box |
|-----------------------|-------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |

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