

5-1427071-2 | CS30CM WHT 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, white

## Product Classification

Regional Availability	Asia   EMEA   Latin America
Portfolio	NETCONNECT®
Product Type	Twisted pair cable

## General Specifications

Product Number	CS30CM
ANSI/TIA Category	6
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	White
Pairs, quantity	4
Transmission Standards	ABNT/NBR 14703   ANSI/TIA-568.2-D   Anatel   CENELEC EN 50288-6-1   ISO/IEC 11801 Class E

## Dimensions

Cable Length	304.8 m   1000 ft
Diameter Over Insulated Conductor	0.978 mm   0.038 in
Diameter Over Jacket, nominal	5.588 mm   0.22 in
Conductor Gauge, singles	24 AWG

## Electrical Specifications

Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	9.38 ohms/100 m   2.859 ohms/100 ft
Delay Skew, maximum	45 ns

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Dielectric Strength, minimum	1500 Vac   2500 Vdc
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	68 %
Operating Frequency, maximum	250 MHz
Operating Voltage, maximum	80 V
Propagation Delay, maximum	536 ns/100m @250MHz
Remote Powering	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

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	PVC

### Mechanical Specifications

Minimum Bend Radius Note	4 times the outer cable diameter
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### Environmental Specifications

Installation temperature	0 °C to +60 °C (-32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Storage Temperature	-20 °C to +80 °C (-4 °F to +176 °F)
Environmental Space	Non-plenum
Flame Test Method	ABNT/NBR 14705   CM

### Packaging and Weights

Cable weight	33.335 kg/km   22.4 lb/kft
Packaging Type	Reel in box

### Regulatory Compliance/Certifications

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

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