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

Product Classification

Regional Availability: Asia
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
Pairs, quantity: 4
Transmission Standards: ANSI/TIA-568.2-D | CENELEC EN 50288-6-1 | ISO/IEC 11801 Class E

Dimensions

Cable Length: 304.8 m | 1000 ft
Diameter Over 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 %
Delay Skew, maximum: 45 ns
Dielectric Strength, minimum: 1500 Vac | 2500 Vdc
Mutual Capacitance at Frequency: 5.6 nF/100 m @ 1 kHz
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

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: CM

Packaging and Weights

Packaging Type: Reel in box

Regulatory Compliance/Certifications

Agency | Classification
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CHINA-ROHS | Below maximum concentration value
REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS | Compliant