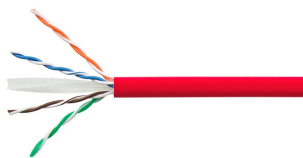


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CS31CM Category 6 U/UTP Cable, non-plenum, red jacket, 4 pair count, 1000 ft (305 m) length reel-in-box

Alternative products available:

884028214/10  
CS31CM RED C6 4/23 U/UTP CPK 305M

CS31CM Category 6 U/UTP Cable, non-plenum, red jacket, 4 pair count, 1000 ft (305 m) length Commpak

Product Classification

Regional Availability	Asia
Portfolio	NETCONNECT®
Product Type	Twisted pair cable
Ordering Note	Available in Asia Pacific

General Specifications

Product Number	CS31CM
ANSI/TIA Category	6
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Red
Note	All electrical transmission tests include swept frequency measurements
Pairs, quantity	4
Separator Type	Isolator
Supported Application	1000BASE-T   1000BASE-TX   100BASE-TX   10BASE-T   155Mbps ATM   TP-PMD   Token Ring   VoIP
Transmission Standards	ANSI/TIA-568.2-D   CENELEC EN 50288-6-1   IEC 61156-5   ISO/IEC 11801 Class E

Dimensions

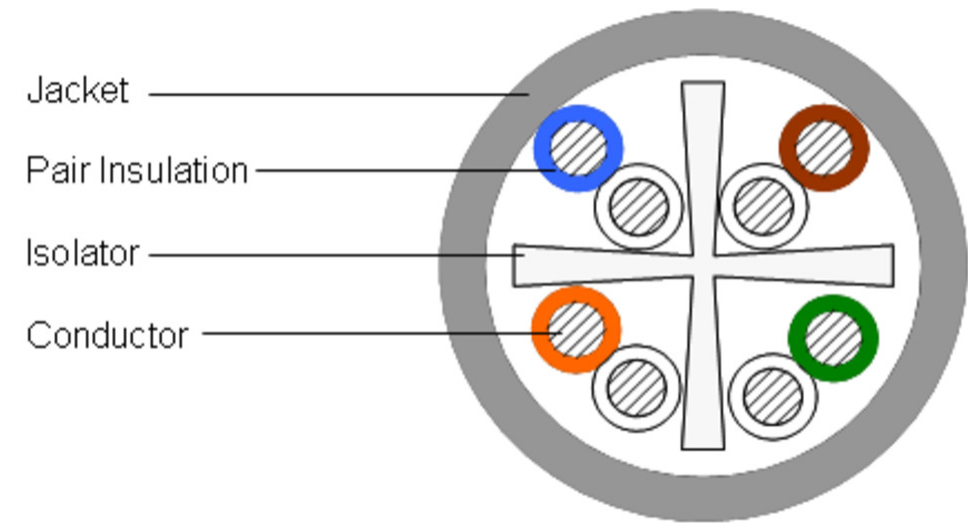
Cable Length	304.8 m   1000 ft
Diameter Over Insulated Conductor	0.98 mm   0.039 in

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Diameter Over Jacket, nominal	5.751 mm   0.226 in
Conductor Gauge, singles	23 AWG

Cross Section Drawing



Electrical Specifications

Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	8 ohms/100 m   2.438 ohms/100 ft
Delay Skew, maximum	45 ns
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
Separator Material	Polyolefin
Mechanical Specifications	
Minimum Bend Radius Note	4 times the outer cable diameter
Pulling Tension, maximum	11.34 kg   25 lb
Transportation Vibration Standard	ISTA-1A

### 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

Cable weight	38.543 kg/km   25.9 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

