

Category 5e U/UTP Patch Cord, RJ45 to RJ45, 4-pair, Non-Plenum, Red Jacket

Product Classification

Regional Availability	Asia Australia/New Zealand Latin America North America
Portfolio	CommScope®
Product Type	Twisted pair patch cord

General Specifications

ANSI/TIA Category	5e
Cable Type	U/UTP (unshielded)
Conductor Type	Stranded
Interface Feature, connector A	Standard
Interface Feature, connector B	Standard
Interface, Connector A	RJ45 plug
Interface, Connector B	RJ45 plug
Jacket Color	Red
Pairs, quantity	4
Wiring	T568B

Dimensions

Cable Assembly Length, minimum (ft)	1
Cable Assembly Length, maximum (ft)	100
Cable Assembly Length, minimum (m)	1
Cable Assembly Length, maximum (m)	30

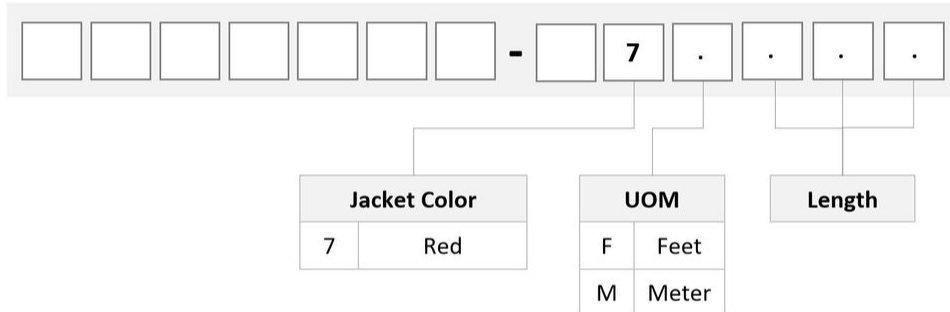
Wiring Diagram

	Connector A	Connector B
Position 1	White/Orange	White/Orange
Position 2	Orange	Orange
Position 3	Lt. Green	Lt. Green
Position 4	Blue	Blue
Position 5	Lt. Blue	Lt. Blue
Position 6	Green	Green
Position 7	Lt. Brown	Lt. Brown
Position 8	Brown	Brown

Electrical Specifications

dc Resistance, maximum	0.3 ohm
Safety Voltage Rating	300 V

Ordering Tree



Material Specifications

Contact Plating Material Gold in remating area | Nickel underplating
Material Type Phosphor Bronze | Polycarbonate

Mechanical Specifications

Plug Insertion Life, minimum 750 times
Plug Retention Force, minimum 133 N | 29.9 lbf

Environmental Specifications

Operating Temperature -10 °C to +60 °C (+14 °F to +140 °F)
Environmental Space Non-plenum
Flammability Rating CM

CO155D2-07 | CO5E-U-CM-RD

Safety Standard

ETL | cETL

Packaging and Weights

Packaging quantity

1

Regulatory Compliance/Certifications

Agency

Classification

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system



Included Products

C C 4 6 5 9 8 4 4 / B U

CC5ECM RED 4/24 SR U/UTP RL BULK — CC5ECM Category 5e U/UTP Cable, non-plenum, red jacket, 4 pair count, bulk length, reel

CC4659844/BU | CC5ECM RED 4/24 SR U/UTP RL BULK

CC5ECM Category 5e U/UTP Cable, non-plenum, red jacket, 4 pair count, bulk length, reel

Product Classification

Regional Availability	North America
Portfolio	CommScope®
Product Type	Twisted pair cable

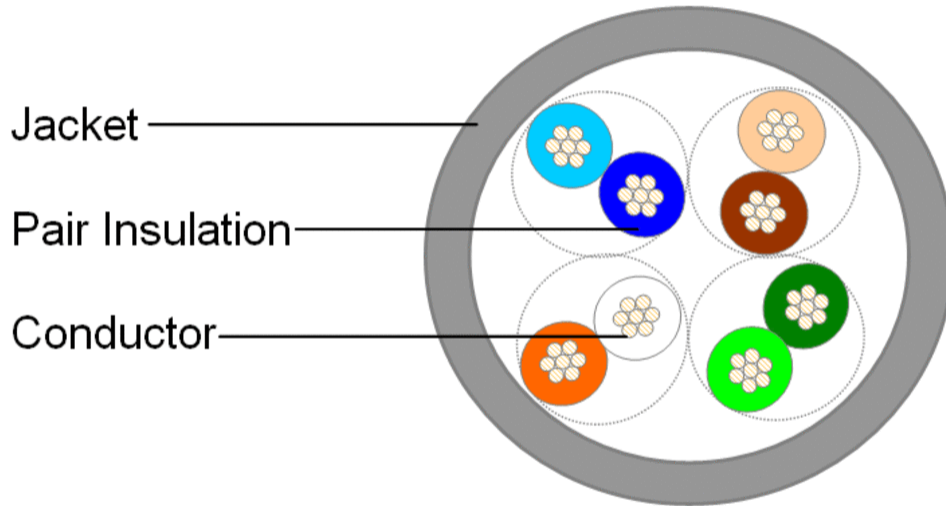
General Specifications

Product Number	CC5ECM
ANSI/TIA Category	5e
Cable Component Type	Cordage
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Stranded
Conductors, quantity	8
Jacket Color	Red
Pairs, quantity	4
Transmission Standards	ANSI/TIA-568-C.2 CENELEC EN 50288-3-1 ISO/IEC 11801 Class D

Dimensions

Cable Length, special	Bulk length
Diameter Over Jacket, nominal	0.211 in 5.359 mm
Jacket Thickness	0.018 in 0.457 mm
Conductor Gauge, singles	24 AWG

Cross Section Drawing



Electrical Specifications

Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	9.38 ohms/100 m 2.859 ohms/100 ft
Dielectric Strength, minimum	1500 Vac 2500 Vdc
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	69 %
Operating Frequency, maximum	200 MHz
Operating Voltage, maximum	80 V
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

CC4659844/BU | CC5ECM RED 4/24 SR U/UTP RL BULK

Safety Voltage Rating 300 V

Material Specifications

Conductor Material Tinned copper

Insulation Material Polyolefin

Jacket Material PVC

Mechanical Specifications

Pulling Tension, maximum 25 lb | 11.34 kg

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)

Environmental Space Non-plenum

Flame Test Method CM

Packaging and Weights

Cable weight 21.57 lb/kft | 2.982 kg/km

Packaging Type Reel

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

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