



Category 5e F/UTP Patch Cord, RJ45 to RJ45, 4-pair, Non-Plenum

Product Classification

Regional Availability	Asia North America
Portfolio	CommScope®
Product Type	Twisted pair patch cord
Product Series	CO

General Specifications

ANSI/TIA Category	5e
Cable Type	F/UTP (shielded)
Conductor Type	Stranded
Interface, Connector A	RJ45 plug
Interface Feature, connector A	Standard
Interface, Connector B	RJ45 plug
Interface Feature, connector B	Standard
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

CO-

9

10

11

12

0

1

F

0

5

0

Outlet Color	
9	0 Not applicable
	1 Black
	2 Blue
	3 Gray
	4 Green
	5 Ivory
	6 Orange
	7 Red
	8 White
	9 Yellow
	B Lilac

Jacket Color	
10	1 Black
	2 Light blue
	3 Dark gray
	4 Spring green
	5 Ivory
	6 Orange
	7 Red
	8 White
	9 Yellow
	B Lilac
	C Gray
	K Pink
	L Violet
	M Green
	Z Blue

UOM		
11	F	Foot
	M	Meter
	N	Inch
	C	Centimeter

Length

12

XXX

- Notes
- Cords > 1m are authorized for use in channels and are an effective standalone method used to connect active devices
 - Cords < 1m are also valid elements for use in a channel or as an equipment interconnect but due to their limited length are not guaranteed to meet component compliance requirements that were developed to assess the quality of longer cords

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
Safety Standard	ETL cETL

Packaging and Weights

Packaging quantity	1
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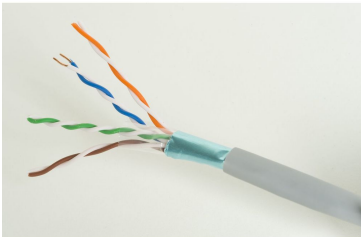
Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

CC884005744/BU CC5ESCM GRY 4/24 SO F/UTP RL BULK	–	CC5ESCM Category 5e F/UTP Cable, non-plenum, gray jacket, 4 pair count, bulk length, reel
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CC5ESCM Category 5e F/UTP Cable, non-plenum, gray jacket, 4 pair count, bulk length, reel

Product Classification

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

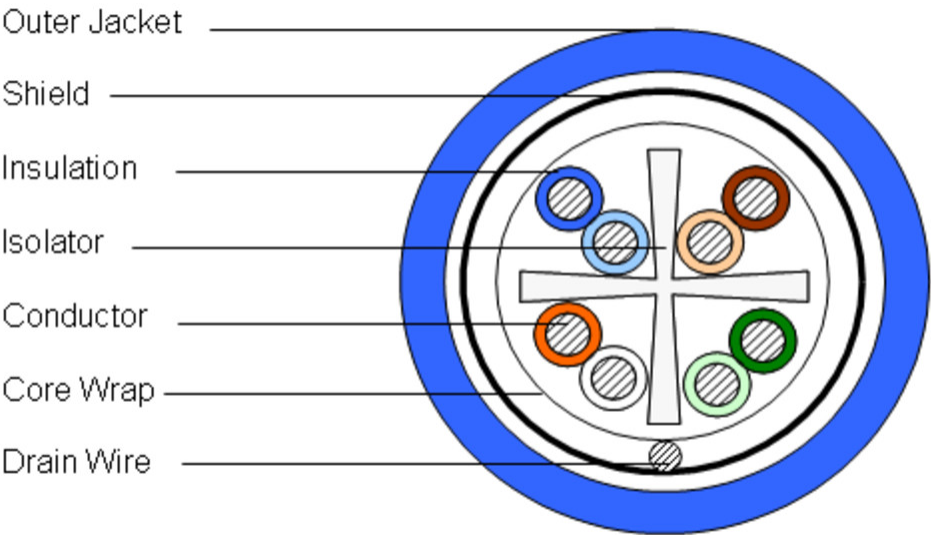
General Specifications

Product Number	CC5ESCM
ANSI/TIA Category	5e
Cable Component Type	Cordage
Cable Type	F/UTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Drain Wire Type	Solid
Jacket Color	Gray
Pairs, quantity	4
Transmission Standards	ANSI/TIA-568.2-D CENELEC EN 50288-3-1 ISO/IEC 11801 Class D

Dimensions

Cable Length, special	Bulk length
Diameter Over Jacket, nominal	6.706 mm 0.264 in
Jacket Thickness	0.508 mm 0.02 in
Conductor Gauge, singles	24 AWG
Drain Wire Gauge	26 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)	68 %
Operating Frequency, maximum	100 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

Material Specifications

Conductor Material	Bare copper
Drain Wire Material	Tinned copper
Insulation Material	Polyolefin
Jacket Material	PVC
Shield (Tape) Material	Polyester/Aluminum shield

Mechanical Specifications

Pulling Tension, maximum

11.34 kg | 25 lb

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

CMR

Packaging and Weights

Cable weight

41.52 kg/km | 27.9 lb/kft

Packaging Type

Reel

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

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

