

Category 5e U/UTP Patch Cord, RJ45 to RJ45, 4-pair, LSZH, Gray Jacket

Product Classification

Regional Availability	EMEA
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	Gray
Pairs, quantity	4
Wiring	T568B

Dimensions

Cable Assembly Length, minimum (ft)	2
Cable Assembly Length, maximum (ft)	115
Cable Assembly Length, minimum (m)	1
Cable Assembly Length, maximum (m)	35

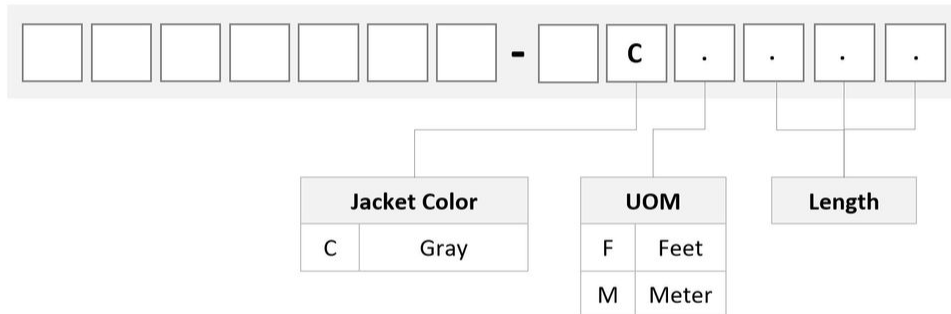
Wiring Diagram

	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 Low Smoke Zero Halogen (LSZH)
Flammability Rating IEC 60332-3-22 | IEC 61034-2

CO155E2-0C | CO5E-U-Z-GY

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 8 4 5 9 7 4 4 / B U

CC6ZH GRY 4/24 SR U/UTP RL BULK — CC6ZH Category 6 U/UTP Cable, low smoke zero halogen, gray jacket, 4 pair count, bulk length, reel

CC8459744/BU | CC6ZH GRY 4/24 SR U/UTP RL BULK

CC6ZH Category 6 U/UTP Cable, low smoke zero halogen, gray jacket, 4 pair count, bulk length, reel

Product Classification

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

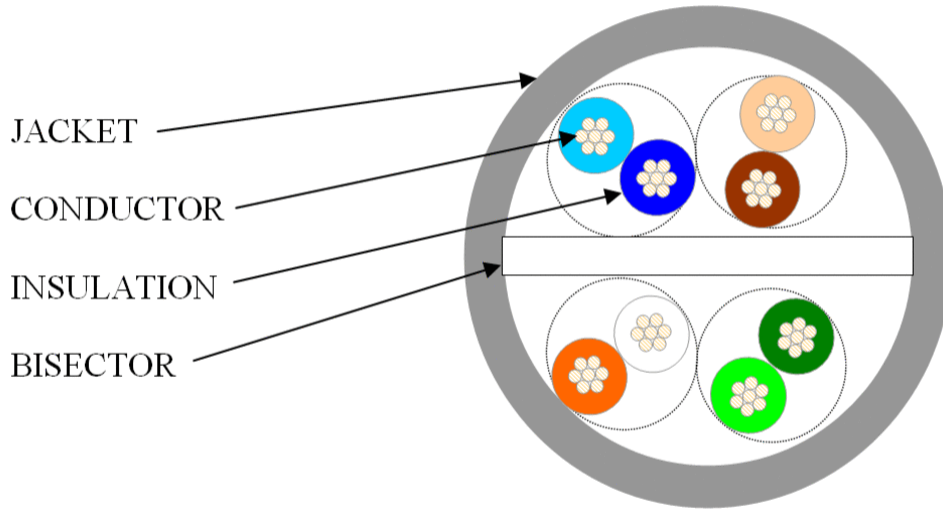
General Specifications

Product Number	CC6ZH
ANSI/TIA Category	6
Cable Component Type	Cordage
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Stranded
Conductors, quantity	8
Jacket Color	Gray
Pairs, quantity	4
Separator Type	Bisector
Transmission Standards	ANSI/TIA-568-C.2 CENELEC EN 50288-6-1 ISO/IEC 11801 Class E

Dimensions

Cable Length, special	Bulk length
Diameter Over Jacket, nominal	0.235 in 5.969 mm
Jacket Thickness	0.022 in 0.559 mm
Conductor Gauge, singles	24 AWG

Cross Section Drawing



Electrical Specifications

Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±15 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	9.38 ohms/100 m 2.859 ohms/100 ft
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	69 %
Operating Frequency, maximum	300 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

CC8459744/BU | CC6ZH GRY 4/24 SR U/UTP RL BULK

Material Specifications

Conductor Material	Tinned copper
Insulation Material	Polyolefin
Jacket Material	Low Smoke Zero Halogen (LSZH)
Separator Material	Polyolefin

Mechanical Specifications

Pulling Tension, maximum	25 lb 11.34 kg
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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)
Acid Gas Test Method	IEC 60754-2
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s2
EN50575 CPR Cable EuroClass Droplets Rating	d2
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-1
Smoke Test Method	IEC 61034-2

Packaging and Weights

Cable weight	25.5 lb/kft 3.526 kg/km
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

