

CO155E2



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

Product Classification

Regional Availability	EMEA
Portfolio	CommScope®
Product Type	Twisted pair patch cord
Product Series	CO

General Specifications

ANSI/TIA Category	5e
Cable Type	U/UTP (unshielded)
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)	115
Cable Assembly Length, minimum (m)	1
Cable Assembly Length, maximum (m)	35

Wiring Diagram

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	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

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

	1	Black
	2	Light blue
	3	Dark gray
	4	Spring green
	5	Ivory
	6	Orange
	7	Red
	8	White
10	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
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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

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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
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

CC8459844/BU CC6ZH YEL 4/24 SR U/UTP RL BULK	–	CC6ZH Category 6 U/UTP Cable, low smoke zero halogen, yellow jacket, 4 pair count, bulk length, reel
CC884001144/BU CC6ZH WHT 4/24 SR U/UTP RL BULK	–	CC6ZH Category 6 U/UTP Cable, low smoke zero halogen, white jacket, 4 pair count, bulk length, reel

CC8459844/BU | CC6ZH YEL 4/24 SR U/UTP RL BULK

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

Product Classification

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

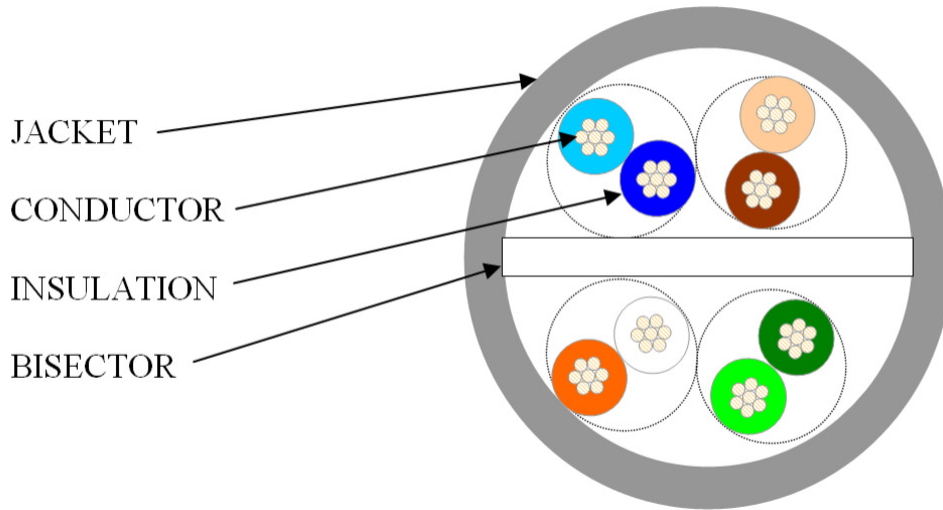
General Specifications

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	Yellow
Pairs, quantity	4
Separator Type	Bisector
Transmission Standards	ANSI/TIA-568.2-D CENELEC EN 50288-6-1 ISO/IEC 11801 Class E

Dimensions

Cable Length, special	Bulk length
Diameter Over Jacket, nominal	5.969 mm 0.235 in
Jacket Thickness	0.559 mm 0.022 in
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

Material Specifications

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

Mechanical Specifications

Pulling Tension, maximum	11.34 kg 25 lb
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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	37.948 kg/km 25.5 lb/kft
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



CC884001144/BU | CC6ZH WHT 4/24 SR U/UTP RL BULK

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

Product Classification

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

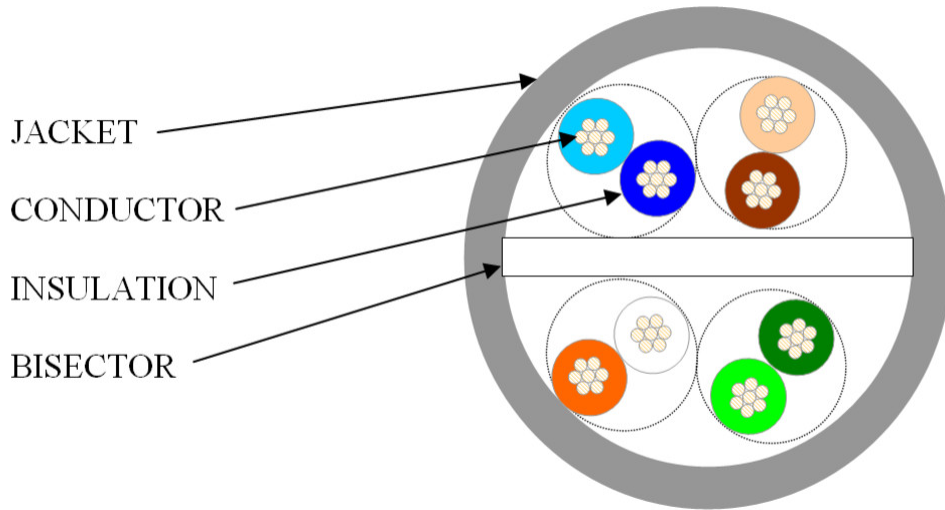
General Specifications

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	White
Pairs, quantity	4
Separator Type	Bisector
Transmission Standards	ANSI/TIA-568.2-D CENELEC EN 50288-6-1 ISO/IEC 11801 Class E

Dimensions

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Packaging and Weights

Cable weight	37.948 kg/km 25.5 lb/kft
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

