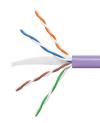
# 884016114/10 | CS34Z3 LIL C6 4/24 U/UTP CPK 305M



CS34Z3 Category 6 U/UTP Cable, low smoke zero halogen, lilac jacket, 4 pair count, 1000 ft (305 m) length CommPak

#### Product Classification

Regional Availability EMEA

Portfolio NETCONNECT®

Product Type Twisted pair cable

Ordering Note Available in Europe, Middle East, and Africa

General Specifications

Product Number CS34Z3

ANSI/TIA Category 6

Cable Component Type Horizontal

Cable Type U/UTP (unshielded)

Conductor Type, singles Solid
Conductors, quantity 8

Jacket Color Lilac

**Note**All electrical transmission tests include swept frequency measurements

Pairs, quantity 4

Separator Type Tape separator

Transmission Standards ANSI/TIA-568.2-D | CENELEC EN 50288-6-1 | ISO/IEC 11801 Class E

**Dimensions** 

 Cable Length
 304.8 m | 1000 ft

 Diameter Over Insulated Conductor
 1.041 mm | 0.041 in

 Diameter Over Jacket, nominal
 5.715 mm | 0.225 in

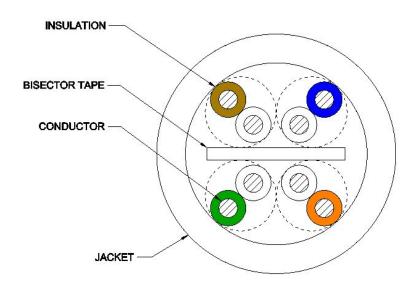
 Jacket Thickness
 0.559 mm | 0.022 in

Conductor Gauge, singles 24 AWG

Cross Section Drawing



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### **Electrical Specifications**

dc Resistance Unbalance, maximum

Characteristic Impedance 100 ohm

**dc Resistance, maximum** 9.38 ohms/100 m | 2.859 ohms/100 ft

**Delay Skew, maximum** 24 ns

Dielectric Strength, minimum1500 Vac | 2500 VdcMutual Capacitance at Frequency5.6 nF/100 m @ 1 kHz

Nominal Velocity of Propagation (NVP) 71 %

**Operating Frequency, maximum** 250 MHz

Operating Voltage, maximum 80 V

**Remote Powering** Fully complies with the recommendations set forth by IEEE 802.3bt (Type

5 %

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

Safety Voltage Rating 300 V

Segregation Class

## 884016114/10 | CS34Z3 LIL C6 4/24 U/UTP CPK 305M

### Flectrical Cable Performance

CS CommScope

STD Refers to the standard value listed under Transmission Standards in the Electrical Specifications above

TYP Typical Electrical Performance

Insertion Loss (dB/100m) NEXT Near End Crosstalk (dB/100m)

ACR Attenuation to Crosstalk Ratio (dB/100m) Power Sum Near End Crosstalk (db/100m) **PSACR** Power Sum Attenuation to Crosstalk Ratio (dB/100m) **ACRF** Attenuation to Crosstalk Ratio - Far End (dB/100m)

**PSACRF** Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m) RL Return Loss (dB)

ELTCTL TCL Transverse Conversion Loss (dB/100m) Equal Level Transverse Conversion Transfer Loss (dB/100m)

**PSNEXT** 

Freq. MHz	IL		NEXT		ACR		PSNEXT		PSACR		ACRF		PSACRF		RL		TCL		ELTCTL	
	cs	STD	cs	STD	cs	STD	cs	STD	cs	STD	cs	STD	cs	STD	cs	STD	cs	STD	cs	STD
1	2	2	75.3	74.3	73.3	72.3	72.3	72.3	70.3	70.3	68	67.8	65	64.8	20	20	40	40	35	35
4	3.8	3.8	66.3	65.3	62.5	61.5	63.3	63.3	59.5	59.5	56	55.8	53	52.8	23	23	40	40	23	23
8	5.3	5.3	61.8	60.8	56.4	55.4	58.8	58.8	53.4	53.4	49.9	49.7	46.9	46.7	24.5	24.5	40	40	16.9	16.9
10	6	6	60.3	59.3	54.3	53.3	57.3	57.3	51.3	51.3	48	47.8	45	44.8	25	25	40	40	15	15
16	7.6	7.6	57.2	56.2	49.7	48.7	54.2	54.2	46.7	46.7	43.9	43.7	40.9	40.7	25	25	38	38	10.9	
20	8.5	8.5	55.8	54.8	47.3	46.3	52.8	52.8	44.3	44.3	42	41.8	39	38.8	25	25	37	37	9	9
25	9.5	9.5	54.3	53.3	44.8	43.8	51.3	51.3	41.8	41.8	40	39.8	37	36.8	24.3	24.3	36	36	7	7
31.25	10.7	10.7	52.9	51.9	41.2	41.2	49.9	49.9	39.2	39.2	38.1	37.9	35.1	34.9	23.6	23.6	35.1	35.1		
62.5	15.4	15.4	48.4	47.4	33	32	45.4	45.4	30	30	32.1	31.9	29.1	28.9	21.5	21.5	32	32		
100	19.8	19.8	45.3	44.3	25.5	24.5	42.3	42.3	22.5	22.5	28	27.8	25	24.8	20.1	20.1	30	30		
155	25.2	25.2	42.4	41.4	17.3	16.3	39.4	39.4	14.3	14.3	24.2	24	21.2	21	18.8	18.8	28.1	28.1		
200	29	29	40.8	39.8	11.8	10.8	37.8	37.8	8.8	8.8	22	21.8	19	18.8	18	18	27	27		
250	32.8	32.8	39.3	38.3	6.5	5.5	36.3	36.3	3.5	3.5	20	19.8	17	16.8	17.3	17.3	26	26		

## Material Specifications

**Conductor Material** Bare copper

Insulation Material Polyolefin

**Jacket Material** Low Smoke Zero Halogen (LSZH)

**Separator Material** Polyolefin

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)

**Acid Gas Test Method** IEC 60754-2

**EN50575 CPR Cable EuroClass Fire Performance** Dca

**COMMSCOPE®** 

## 884016114/10 | CS34Z3 LIL C6 4/24 U/UTP CPK 305M

EN50575 CPR Cable EuroClass Smoke Rating \$2
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 60332-3-22
Smoke Test Method IEC 61034-2

Packaging and Weights

**Cable weight** 28.424 kg/km | 19.1 lb/kft

Packaging Type CommPak® box

### 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 UK-ROHS Compliant



