884030814/10 | CS44ZC WHT C6A 4/23 U/UTP CPK 305M

CS44ZC Category 6A U/UTP Cable,low smoke zero halogen, white jacket, 4 pair count, 1000 ft (305 m) length, CommPak® box

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OBSOLETE

This product was discontinued on: October 1, 2024

Replaced By:

884027214/10
CS44ZB WHT C6A 4/23 U/UTP CPK 305M

CS44ZB Category 6A U/UTP Cable,low smoke zero halogen, white jacket, 4 pair count, 1000 ft (305 m) length, CommPak

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Product Classification

Regional Availability	EMEA
Portfolio	NETCONNECT®
Product Type	Twisted pair cable

General Specifications

Product Number	CS44ZC
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	White
Pairs, quantity	4
Separator Type	Isolator
Transmission Standards	ANSI/TIA-568.2-D	ISO/IEC 11801 Class EA

Dimensions

Cable Length	304.8 m	1000 ft

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Diameter Over Insulated Conductor	0.864 mm | 0.034 in
Diameter Over Jacket, nominal	7.239 mm | 0.285 in
Jacket Thickness	1.27 mm | 0.05 in
Conductor Gauge, singles	23 AWG

Cross Section Drawing
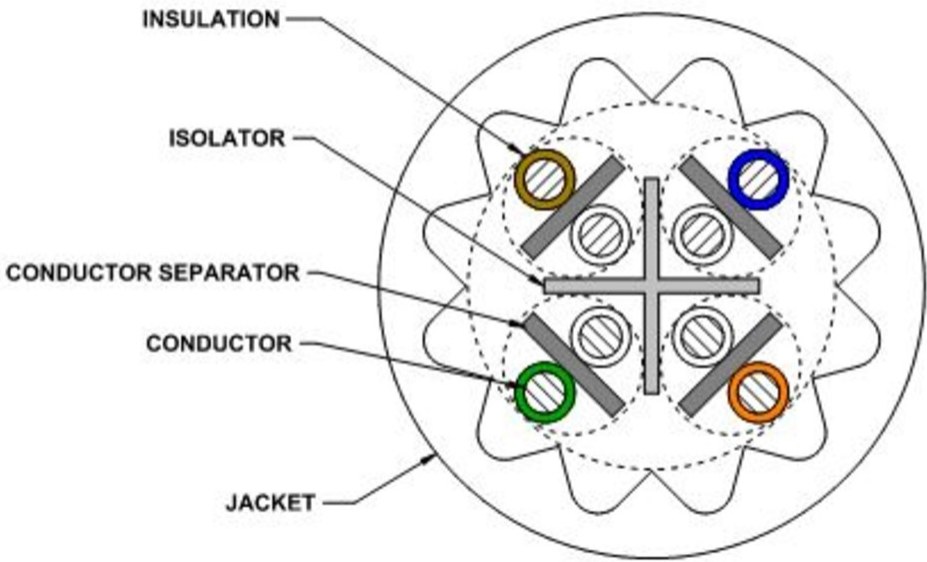
Electrical Specifications

dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	7.61 ohms/100 m | 2.32 ohms/100 ft
Mutual Capacitance at Frequency	6.0 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	66 %
Operating Frequency, maximum	550 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
Segregation Class	c

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Electrical Cable Performance

CS	CommScope	
STD	Refers to the standard value listed under Transmission Standards in the Electrical Specifications above	
TYP	Typical Electrical Performance	
IL	Insertion Loss (dB/100m)	**NEXT** — Near End Crosstalk (dB/100m)
ACR	Attenuation to Crosstalk Ratio (dB/100m)	**PSNEXT** — 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)
TCL	Transverse Conversion Loss (dB/100m)	**ELTCTL** — Equal Level Transverse Conversion Transfer Loss (dB/100m)

Freq. MHz	IL		NEXT		ACR		PSNEXT		PSACR		ACRF		PSACRF		RL		TCL	ELTCTL
	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	STD
1	2.1	1.8	74.3	91	72.2	89.2	72.3	89	70.2	87.3	67.8	84.5	64.8	82.5	20	33	40	35
4	3.8	3.5	65.3	83.1	61.5	79.6	63.3	81	59.5	77.5	55.8	72.6	52.8	70.5	23	34.6	40	23
8	5.3	5	60.8	79	55.4	73.9	58.8	76.9	53.4	71.8	49.7	66.6	46.7	64.4	24.5	37.3	40	16.9
10	5.9	5.6	59.3	76.6	53.4	71	57.3	74.7	51.4	69.1	47.8	64.7	44.8	62.5	25	38.4	40	15
16	7.5	7.1	56.2	73.6	48.8	66.5	54.2	71.5	46.8	64.3	43.7	60.6	40.7	58.2	25	39.6	38	10.9
20	8.4	8	54.8	73	46.4	65	52.8	71	44.4	63	41.8	58.6	38.8	56.2	25	38.9	37	9
25	9.4	9	53.3	70.6	44	61.7	51.3	68.8	42	59.8	39.8	56.5	36.8	54.2	24.3	38.7	36	7
31.25	10.5	10.1	51.9	68.7	41.4	58.7	49.9	66.9	39.4	56.8	37.9	54.4	34.9	52.1	23.6	39.3	35.1	
62.5	15	14.4	47.4	64.6	32.4	50.3	45.4	62.7	30.4	48.3	31.9	48.5	28.9	46	21.5	36.3	32	
100	19.1	18.4	44.3	60.2	25.2	41.9	42.3	58.7	23.2	40.4	27.8	44.5	24.8	42.2	20.1	35.8	30	
155	24.1	23.2	41.4	60.8	17.4	37.7	39.4	58.8	15.4	35.6	24	41	21	38.7	18.8	33.1	28.1	
200	27.6	26.5	39.8	56.8	12.2	30.4	37.8	55	10.2	28.5	21.8	38.5	18.8	36.3	18	33	27	
250	31.1	29.8	38.3	54.8	7.3	25.1	36.3	52.8	5.3	23	19.8	36.5	16.8	34.2	17.3	32.6	26	
300	34.3	32.9	37.1	53.4	2.9	20.5	35.1	51.4	0.9	18.5	18.3	35	15.3	32.5	16.8	32.5	25.2	
350	37.2	35.7	36.1	52.1	-1.1	16.4	34.1	50.1	-3.1	14.4	16.9	34	13.9	31.4	16.3	33.2	24.6	
400	40.1	38.2	35.3	50.4	-4.8	12.2	33.3	48.3	-6.8	10.1	15.8	32	12.8	30	15.9	34.2	24	
500	45.3	43.1	33.8	47.3	-11.4	4.2	31.8	45.5	-13.4	2.4	13.8	29.9	10.8	27.8	15.2	34.6	23	

Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	Low Smoke Zero Halogen (LSZH)
Separator Material	Polyolefin
Separator 2 Material	Polyolefin

Mechanical Specifications

Pulling Tension, maximum	11.34 kg	25 lb

Environmental Specifications

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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	EN 50267-2-3
EN50575 CPR Cable EuroClass Fire Performance	Cca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d1
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Smoke Test Method	IEC 61034-2

Packaging and Weights

Cable weight	55.955 kg/km	37.6 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

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