

CS44Z3A Category 6A F/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 3280 ft (1 km) length, reel



## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand
<b>Portfolio</b>	NETCONNECT®
<b>Product Type</b>	Twisted pair cable

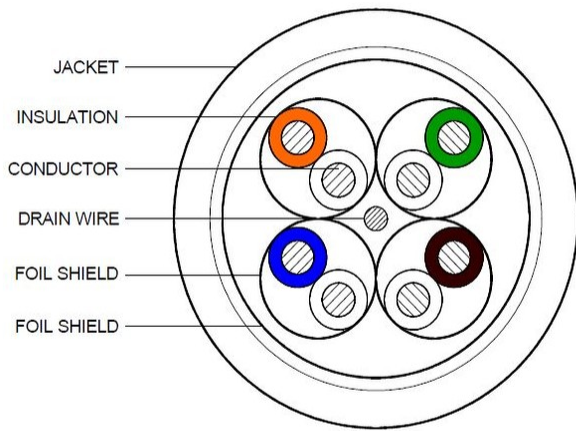
## General Specifications

<b>Product Number</b>	CS44Z3
<b>ANSI/TIA Category</b>	6A
<b>Cable Component Type</b>	Horizontal
<b>Cable Type</b>	F/FTP (shielded)
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Jacket Color</b>	White
<b>Pairs, quantity</b>	4
<b>Transmission Standards</b>	ANSI/TIA-568.2-D   ISO/IEC 11801 Class EA

## Dimensions

<b>Cable Length</b>	999.744 m   3280 ft
<b>Cable Length Tolerance</b>	±5%
<b>Diameter Over Insulated Conductor</b>	1.25 mm   0.049 in
<b>Diameter Over Jacket, nominal</b>	7.01 mm   0.276 in
<b>Conductor Gauge, singles</b>	23 AWG

## Cross Section Drawing



## Electrical Specifications

<b>dc Resistance, maximum</b>	9.38 ohms/100 m   2.859 ohms/100 ft
<b>Mutual Capacitance at Frequency</b>	5.6 nF/100 m @ 1 kHz
<b>Operating Frequency, maximum</b>	500 MHz
<b>Operating Voltage, maximum</b>	80 V
<b>Remote Powering</b>	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

## Electrical Cable Performance

<b>CS</b>	CommScope		
<b>STD</b>	Refers to the standard value listed under Transmission Standards in the Electrical Specifications above		
<b>TYP</b>	Typical Electrical Performance		
<b>IL</b>	Insertion Loss (dB/100m)	<b>NEXT</b>	Near End Crosstalk (dB/100m)
<b>ACR</b>	Attenuation to Crosstalk Ratio (dB/100m)	<b>PSNEXT</b>	Power Sum Near End Crosstalk (db/100m)
<b>PSACR</b>	Power Sum Attenuation to Crosstalk Ratio (dB/100m)	<b>ACRF</b>	Attenuation to Crosstalk Ratio - Far End (dB/100m)
<b>PSACRF</b>	Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)	<b>RL</b>	Return Loss (dB)
<b>TCL</b>	Transverse Conversion Loss (dB/100m)	<b>ELTCTL</b>	Equal Level Transverse Conversion Transfer Loss (dB/100m)

Freq. MHz	IL	NEXT	ACR	PSNEXT	PSACR	ACRF	PSACRF	RL	TCL	ELTCTL
	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
1	2.1	75.3	73.2	72.3	70.2	68	65	20	40	35
4	3.8	66.3	62.5	63.3	59.5	56	53	23	34	23
8	5.3	61.8	56.4	58.8	53.4	49.9	46.9	24.5	31	16.9
10	5.9	60.3	54.4	57.3	51.4	48	45	25	30	15
16	7.5	57.2	49.8	54.2	46.8	43.9	40.9	25	28	10.9
20	8.4	55.8	47.4	52.8	44.4	42	39	25	27	9
25	9.4	54.3	45	51.3	42	40	37	24.3	26	7
31.25	10.5	52.9	42.4	49.9	39.4	38.1	35.1	23.6	25.1	
62.5	15	48.4	33.4	45.4	30.4	32.1	29.1	21.5	22	
100	19.1	45.3	26.2	42.3	23.2	28	25	20.1	20	
155	24.1	42.4	18.4	39.4	15.4	24.2	21.2	18.8	18.1	
200	27.6	40.8	13.2	37.8	10.2	22	19	18	17	
250	31.1	39.3	8.3	36.3	5.3	20	17	17.3	16	
300	34.3	38.1	3.9	35.1	0.9	18.5	15.5	16.8		
350	37.2	37.1	-0.1	34.1	-3.1	17.1	14.1	16.3		
400	40.1	36.3	-3.8	33.3	-6.8	16	13	15.9		
500	45.3	34.8	-10.4	31.8	-13.4	14	11	15.2		

## Material Specifications

<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	Polyolefin
<b>Jacket Material</b>	Low Smoke Zero Halogen (LSZH)
<b>Shield (Tape) Material</b>	Polyester/Aluminum shield

## Environmental Specifications

<b>Installation temperature</b>	0 °C to +50 °C (+32 °F to +122 °F)
<b>Operating Temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)
<b>Acid Gas Test Method</b>	IEC 60754-2
<b>Environmental Space</b>	Low Smoke Zero Halogen (LSZH)

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**Flame Test Method** IEC 60332-3-22

**Smoke Test Method** IEC 61034-2

## Packaging and Weights

**Packaging Type** Reel