

884046954/16 | CS44Z3 WHT C6A 4/23 F/UTP RL 500M

CS44Z3 ETL Verified Category 6A F/UTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1640 ft (500 m) length, reel

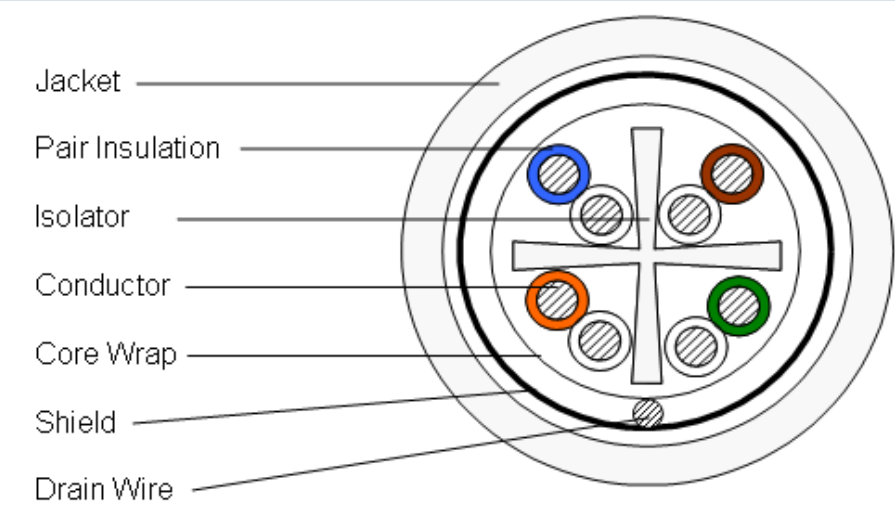
Product Classification

Portfolio	NETCONNECT®
Product Type	Twisted pair cable
Regional Availability	Asia Australia/New Zealand EMEA Latin America

Standards And Qualifications

EN50575 CPR Cable EuroClass	Dca s2 d2 a1
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Cross Section Drawing



Construction Materials

Jacket Material	Low Smoke Zero Halogen (LSZH)
Conductor Material	Bare copper
Drain Wire Material	Tinned copper
Insulation Material	Polyolefin
Separator Material	Polyolefin
Shield (Tape) Material	Polyester/Aluminum shield

Dimensions

Cable Length	500 m 1640 ft
Cable Weight	35.15 lb/kft
Diameter Over Jacket	7.518 mm 0.296 in
Jacket Thickness	0.508 mm 0.020 in

Electrical Specifications

ANSI/TIA Category	6A
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dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	8.00 ohms/100 m
Mutual Capacitance	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	68 %
Operating Frequency, maximum	500 MHz
Operating Voltage, maximum	80 V
Transmission Standards	ANSI/TIA-568-C.2

Environmental Specifications

Environmental Space	Low Smoke Zero Halogen (LSZH)
Smoke Test Method	IEC 61034-2
Acid Gas Test Method	IEC 60754-2
Flame Test Method	IEC 60332-3-22
Installation Temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)

General Specifications

Cable Type	F/UTP (shielded)
Packaging Type	Reel
Pairs, quantity	4
Cable Component Type	Horizontal
Jacket Color	White
Brand	NETCONNECT®
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Drain Wire Gauge	24 AWG
Drain Wire Type	Solid
Separator Type	Isolator

Mechanical Specifications

Pulling Tension, maximum	11 kg 25 lb
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Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available



Electrical Performance

Std	Refers to the standard value listed under Transmission Standards in the Electrical Specifications above
Typ	Typical
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)

Freq. MHz	IL		NEXT		ACR		PSNEXT		PSACR		ACRF		PSACRF		RL	
	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ
1	2.1	1.7	74.3	90.8	72.2	89.1	72.3	89.1	70.2	87.4	67.8	91.1	64.8	89.1	20.0	33.8
4	3.8	3.3	65.3	81.1	61.5	77.8	63.3	79.3	59.5	76.0	55.8	79.7	52.8	77.8	23.0	34.6
8	5.3	4.6	60.8	76.1	55.4	71.5	58.8	74.3	53.4	69.7	49.7	73.9	46.7	71.9	24.5	36.6
10	5.9	5.2	59.3	75.0	53.4	69.8	57.3	73.0	51.4	67.9	47.8	71.9	44.8	70.0	25.0	37.2
16	7.5	6.6	56.2	71.0	48.8	64.5	54.2	69.1	46.8	62.5	43.7	67.7	40.7	65.7	25.0	37.3
20	8.4	7.4	54.8	69.6	46.4	62.3	52.8	67.8	44.4	60.4	41.8	65.9	38.8	63.8	25.0	36.0
25	9.4	8.2	53.3	68.1	44.0	59.8	51.3	66.2	42.0	57.9	39.8	63.8	36.8	61.8	24.3	35.0
31.25	10.5	9.2	51.9	65.8	41.4	56.6	49.9	64.1	39.4	54.9	37.9	61.9	34.9	59.7	23.6	34.0
62.5	15.0	13.0	47.4	60.9	32.4	47.9	45.4	59.2	30.4	46.2	31.9	55.1	28.9	53.0	21.5	30.4
100	19.1	16.5	44.3	58.3	25.2	41.8	42.3	56.5	23.2	40.0	27.8	51.8	24.8	49.9	20.1	27.8
155	24.1	20.7	41.4	55.7	17.4	35.0	39.4	53.7	15.4	33.1	24.0	48.3	21.0	46.1	18.8	24.2
200	27.6	23.6	39.8	53.3	12.2	29.7	37.8	51.5	10.2	27.9	21.8	45.6	18.8	43.6	18.0	22.7
250	31.1	26.4	38.3	52.0	7.3	25.6	36.3	50.0	5.3	23.6	19.8	44.7	16.8	42.6	17.3	21.2
300	34.3	29.1	37.1	50.0	2.9	21.0	35.1	48.0	0.9	18.9	18.3	42.2	15.3	40.2	16.8	20.0
350	37.2	31.5	36.1	48.3	-1.1	16.8	34.1	46.5	-3.1	15.0	16.9	39.8	13.9	37.8	16.3	19.1
400	40.1	33.9	35.3	47.3	-4.8	13.4	33.3	45.5	-6.8	11.6	15.8	39.5	12.8	37.2	15.9	18.0
500	45.3	38.1	33.8	45.9	-11.4	7.8	31.8	44.0	-13.4	5.9	13.8	36.5	10.8	34.2	15.2	16.6