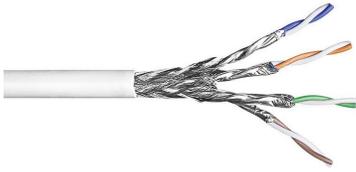# 884019038/32 | CS64ZB WHT C7A 4/23 S/FTP RL 1KM

CS64ZB Category 7A S/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 3280 ft (1000 m) length, reel

Alternative products available:

884049438/32
CS67ZB WHT C7A 4/22 S/FTP RL 1KM

CS67ZB Category 7A S/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 3280 ft (1000 m) length, reel

Product Classification

Regional Availability	EMEA
Portfolio	NETCONNECT®
Product Type	Twisted pair cable

General Specifications

Product Number	CS64ZB
ANSI/TIA Category	7A
Cable Component Type	Horizontal
Cable Type	S/FTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	White
Pairs, quantity	4
Transmission Standards	ANSI/TIA-568.2-D	CENELEC EN 50288-9-1	IEC 61156-5 Cat 7	ISO/IEC 11801 Class FA

Dimensions

Cable Length	1,000 m	3,280.84 ft
Cable Length Tolerance	±5%
Diameter Over Jacket, nominal	7.493 mm	0.295 in
Jacket Thickness	0.635 mm	0.025 in
Conductor Gauge, singles	23 AWG

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Cross Section Drawing

Jacket

Pair Insulation

Foil Shield

Braid
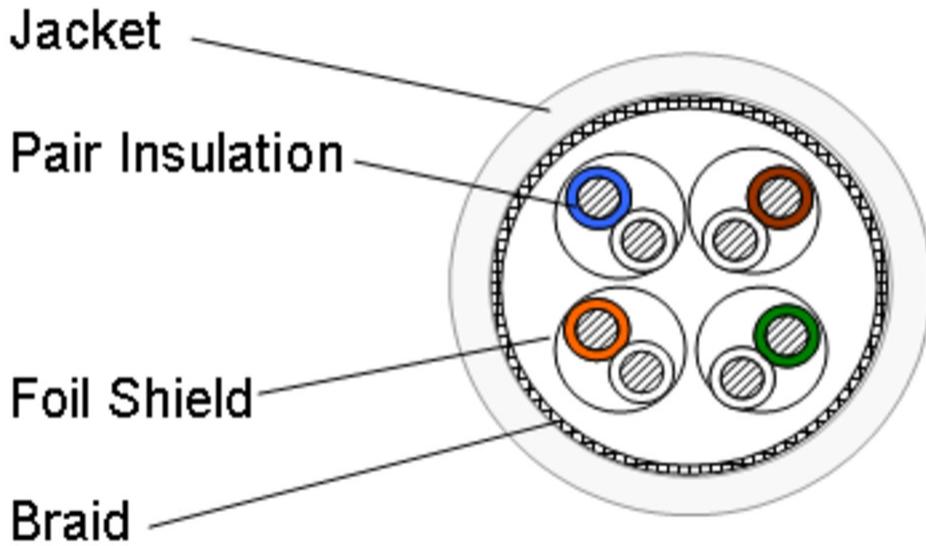
Electrical Specifications

Coupling Attenuation	Type I
dc Resistance Unbalance, maximum	2 %
dc Resistance, maximum	7.61 ohms/100 m	2.32 ohms/100 ft
Mutual Capacitance at Frequency	4.3 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	76 %
Operating Frequency, maximum	1000 MHz
Operating Voltage, maximum	80 V

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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)
ACR	Attenuation to Crosstalk Ratio (dB/100m)
PSACR	Power Sum Attenuation to Crosstalk Ratio (dB/100m)
PSACRF	Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)
TCL	Transverse Conversion Loss (dB/100m)
NEXT	Near End Crosstalk (dB/100m)
PSNEXT	Power Sum Near End Crosstalk (db/100m)
ACRF	Attenuation to Crosstalk Ratio - Far End (dB/100m)
RL	Return Loss (dB)
ELTCTL	Equal Level Transverse Conversion Transfer Loss (dB/100m)

Freq. MHz	IL	NEXT	PSNEXT	ACRF	PSACRF	RL
	STD	STD	STD	STD	STD	STD
1	2.1	78	75	78	75	20
4	3.7	78	75	78	75	23
8	5.2	78	75	77.2	74.2	24.5
10	5.8	78	75	75.3	72.3	25
16	7.3	78	75	71.2	68.2	25
20	8.2	78	75	69.3	66.3	25
25	9.2	78	75	67.3	64.3	24.3
31.25	10.3	78	75	65.4	62.4	23.6
62.5	14.6	78	75	59.4	56.4	21.5
100	18.5	75.4	72.4	55.3	52.3	20.1
155	23.2	72.5	69.5	51.5	48.5	18.8
200	26.5	70.9	67.9	49.3	46.3	18
250	29.7	69.4	66.4	47.3	44.3	17.3
300	32.7	68.2	65.2	45.8	42.8	17.3
350	35.4	67.2	64.2	44.4	41.4	17.3
400	38	66.4	63.4	43.3	40.3	17.3
500	42.8	64.9	61.9	41.3	38.3	17.3
550	45	64.3	61.3	40.5	37.5	17.3
600	47.1	63.7	60.7	39.7	36.7	17.3
650	49.2	63.2	60.2	39	36	17
700	51.1	62.7	59.7	38.4	35.4	16.6
750	53.1	62.3	59.3	37.8	34.8	16.3
800	54.9	61.9	58.9	37.2	34.2	16.1
850	56.7	61.5	58.5	36.7	33.7	15.8
900	58.5	61.1	58.1	36.2	33.2	15.5
950	60.2	60.7	57.7	35.7	32.7	15.3
1,000	61.9	60.4	57.4	35.3	32.3	15.1
1,100	65.2	59.8	56.8	34.5	31.5	14.7
1,200	68.4	59.2	56.2	33.7	30.7	14.3

Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin

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Jacket Material	Low Smoke Zero Halogen (LSZH)
Shield (Braid) Material	Tinned copper
Shield (Tape) Material	Polyester/Aluminum shield

Mechanical Specifications

Pulling Tension, maximum	11.34 kg	25 lb

Environmental Specifications

Installation temperature	0 °C to +50 °C (+32 °F to +122 °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	B2ca
EN50575 CPR Cable EuroClass Smoke Rating	s1
EN50575 CPR Cable EuroClass Droplets Rating	d1
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	EN 50399	IEC 60332-3-24
Smoke Test Method	IEC 61034-2

Packaging and Weights

Cable weight	64.199 kg/km	43.14 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
ROHS	Compliant
UK-ROHS	Compliant

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