

CS67ZB Category 7A S/FTP Cable, low smoke zero halogen, white jacket, 8 pair count, 500 m (1640 ft) length, reel

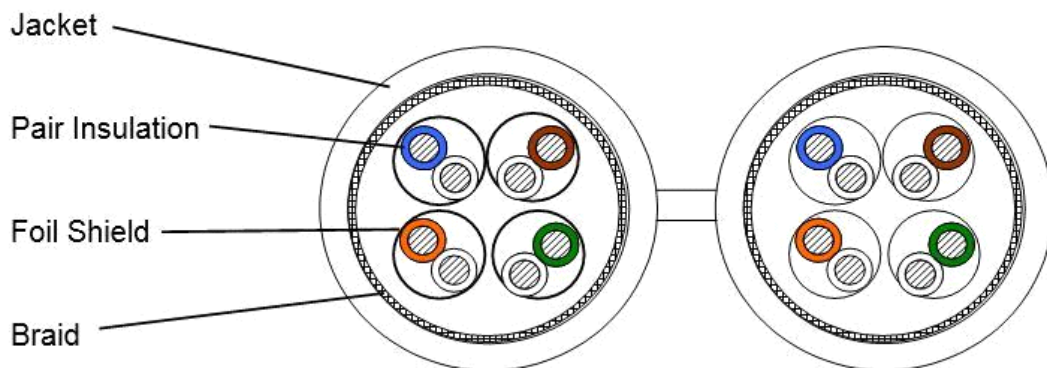
Product Classification

Portfolio	NETCONNECT®
Product Type	Twisted pair cable
Regional Availability	EMEA

Standards And Qualifications

EN50575 CPR Cable EuroClass B2ca | s1 | d1 | a1

Cross Section Drawing



Construction Materials

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

Dimensions

Cable Length	500 m 1640 ft
Cable Length Tolerance	±5%
Cable Weight	909.20 lb/kft 125.70 kg/km

Diameter Over Jacket, nominal	7.595 mm 0.299 in
Jacket Thickness	0.635 mm 0.025 in

Electrical Performance

IL	Insertion Loss (dB/100m)					
NEXT	Near End Crosstalk (dB/100m)					
PSNEXT	Power Sum Near End Crosstalk (dB/100m)					
ELFEXT	Equal-Level Far End Crosstalk (dB/100m)					
PSELFEXT	Power Sum Equal-Level Far End Crosstalk (dB/100m)					
RL	Return Loss (dB)					

Freq (MHz)	IL	NEXT	PSNEXT	ELFEXT	PSELFEXT	RL
1	2.1	78.0	75.0	78.0	75.0	20.0
4	3.7	78.0	75.0	78.0	75.0	23.0
8	5.2	78.0	75.0	77.2	74.2	24.5
10	5.8	78.0	75.0	75.3	72.3	25.0
16	7.3	78.0	75.0	71.2	68.2	25.0
20	8.2	78.0	75.0	69.3	66.3	25.0
25	9.2	78.0	75.0	67.3	64.3	24.3
31.25	10.3	78.0	75.0	65.4	62.4	23.6
62.5	14.6	78.0	75.0	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	18.0
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	38.0	66.4	63.4	43.3	40.3	17.3
500	42.8	64.9	61.9	41.3	38.3	17.3
550	45.0	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	39.0	36.0	17.0
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
1000	61.9	60.4	57.4	35.3	32.3	15.1
1100	65.2	59.8	56.8	34.5	31.5	14.7
1200	68.4	59.2	56.2	33.7	30.7	14.3

*Values above 1000 MHz are for engineering purposes only.

Electrical Specifications

ANSI/TIA Category	7A
dc Resistance Unbalance, maximum	2 %
dc Resistance, maximum	7.61 ohms/100 m
Mutual Capacitance	4.1 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	80 %
Operating Frequency, maximum	1000 MHz
Operating Voltage, maximum	80 V

Transmission Standards

ISO/IEC 11801 Class FA

Environmental Specifications

Environmental Space	Low Smoke Zero Halogen (LSZH)
Smoke Test Method	IEC 61034-2
Acid Gas Test Method	EN 50267-2-3
Installation Temperature	0 °C to +50 °C (+32 °F to +122 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)

General Specifications

Cable Type	S/FTP (shielded)
Packaging Type	Reel
Pairs, quantity	8
Cable Component Type	Horizontal
Jacket Color	White
Product Number	CS67ZB
Conductor Gauge, singles	22 AWG
Conductor Type, singles	Solid
Conductors, quantity	16

Mechanical Specifications

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

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available

