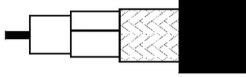




Product: [CX3C8](#)

CX3C8 - Broadband Coax 3, 8 AWG Solid BC, Foil + 60% BC Braid, LSZH Jkt



Product Description

Broadband Coax 3, 8 AWG Solid Bare Copper Conductor, PE Insulation, Copper Foil + 60% Bare Copper Braid Shield, LSZH Jacket.

Technical Specifications

Product Overview

Suitable Applications:	Broadband, Cable Television (CATV)
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Construction Details

Series Type:	CATV-Trunk Type
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Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	8 AWG	Solid	3.38 mm	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	16.5 mm (0.650 in)

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Bi-Laminate (Bare Copper+Poly)	100%
2	Braid	Bare Copper (BC)	58%

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	21.6 mm

Electrical Characteristics

Regularity of Impedance:	Min. 46 dB
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Return Loss (RL)

Frequency	Min. Return Loss
5-470 MHz	26 dB
470 - 862 MHz	22 dB
862 - 2000 MHz	18 dB
2000 - 3000 MHz	16 dB

Table Notes:	In each frequency band, 3 peak values up to 4 dB lower are allowed
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Attenuation

Frequency	Nom. Attenuation
5 MHz	0.4 dB/100m
50 MHz	1.3 dB/100m
100 MHz	1.8 dB/100m
200 MHz	2.7 dB/100m
400 MHz	3.9 dB/100m

600 MHz	4.8 dB/100m
800 MHz	5.7 dB/100m
1000 MHz	6.5 dB/100m
1350 MHz	7.7 dB/100m
1750 MHz	9.2 dB/100m
2150 MHz	10.3 dB/100m
2400 MHz	11.0 dB/100m
3000 MHz	12.4 dB/100m
4000 MHz	14.6 dB/100m

Table Notes: Max. attenuation 10% higher

Electricals

Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
1.9 Ohm/km (0.58 Ohm/1000ft)	2.6 Ohm/km (0.79 Ohm/1000ft)	58 pF/m (18 pF/ft)	75 Ohm	78%

Transfer Impedance

Frequency	Max. Transfer Impedance
5-30 MHz	Max 2.5 mOhm/m

Transfer Impedance Class: A+

Screening

Frequency	Min. Screening Attenuation
30 - 1000 MHz	80 dB
1000 - 2000 MHz	75 dB
2000 - 3000 MHz	70 dB
3000 - 4000 MHz	65 dB

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-25°C To +70°C	-5°C To +50°C	-25°C To +70°C

Bend Radius

Stationary Min.
220 mm (8.7 in)

Max. Pull Tension:	2000 N (450 lbf)
Bulk Cable Weight:	474 kg/km

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor - Euroclass Dca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Dca-s2,d2,a1
ISO/IEC Compliance:	IEC 61196
CENELEC Compliance:	EN 50117-1
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

History

Update and Revision: Revision Number: 0.88 Revision Date: 04-29-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
CX3C8.00700	Black	Reel	700 m	8719605186300

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