

735C3 Coax - 735C* Series

For more Information
please call

1-800-Belden1

**Description:**

25H AWG solid .017" silver-plated copper conductors, foam HDPE insulation, Duobond® + tinned copper braid shield (96% coverage), inner PVC jackets, overall PVC jacket with ripcord.

Usage (Overall)

Suitable Applications: Central Office wiring for DS3 transmissions

Physical Characteristics (Overall)**Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
3	25H	Solid	SPC - Silver Plated Copper	0.017

Insulation**Insulation Material:**

Insulation Material	Dia. (in.)
FHDPE - Foam High Density Polyethylene	.077

Inner Shield**Inner Shield Material:**

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Duobond®	Tape	Bonded Aluminum Foil-Polyester Tape - Aluminum Foil	100
2		Braid	TC - Tinned Copper	96

Inner Jacket**Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	0.134

Outer Shield**Outer Shield Material:**

Outer Shield Material
Unshielded

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.318 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 52 lbs/1000 ft.

Max. Recommended Pulling Tension: 108 lbs.

Min. Bend Radius (Each Coax):	1.300 in.
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Min. Bend Radius (Overall):	3.200 in.
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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
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CEC/C(UL) Specification:	CMG
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	10/17/2007
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Other Specification:	Telcordia Specification GR-139-Core; SBC ENTERPRISE - SBC-002-316-019, ISSUE 4
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Flame Test

UL Flame Test:	UL1666 Vertical Shaft
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C(UL) Flame Test:	FT4
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Suitability

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (μH/ft)

.19

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

17.7

Nominal Velocity of Propagation:

VP (%)

79

Nominal Delay:

Delay (ns/ft)

1.29

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

40

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.3

Max. Attenuation:

Attenuation (DS3/4) (dB/100 ft.)	Freq. (MHz)	Attenuation (dB/100 ft.)
0	5.000	1.100
0	5.000	1.100
0	10.000	1.500
0	22.500	2.300
0	50.000	3.400
0	100.000	4.990
0	150.000	6.000

Max. Operating Voltage - UL:

Voltage
300 V RMS

Other Electrical Characteristic 1: Impedance tested in accordance with ASTM D-4566 Paragraph 48.2, Option 2 using a 75 Ohm Fixed Bridge and Termination.

Other Electrical Characteristic 2: RL tested in Accordance with ASTM D-4566 Paragraph 50.3, using a 75 Ohm Fixed Bridge and Termination.

Other Electrical Characteristic 3: 100% Sweep tested

Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	150	32

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
735C3 0081000	1,000 FT	60.000 LB	GRAY	C	3 #25H LDPE/FHDLDPPE SHPVCFRPVC

Notes:

C = CRATE REEL PUT-UP.

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