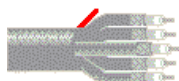


735C24 Coax - 735C* Series



For more Information
please call

1-800-Belden1



General Description:

26 AWG solid .017" silver-plated copper conductors, foam HDPE insulation, Duobond® Shield (100% Coverage) + 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.)
24	25H	Solid	SPC - Silver Plated Copper	0.017

Total Number of Conductors: 24

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: 0.890 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 419 lbs/1000 ft.

Max. Recommended Pulling Tension: 864 lbs.

Min. Bend Radius (Each Coax): 1.300 in.

Min. Bend Radius (Overall): 8.900 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC(UL) Specification: CMR

CEC/C(UL) Specification: CMG

EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/17/2007
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	Telcordia Specification GR-139-Core; SBC ENTERPRISE - SBC-002-316-019, ISSUE 4

Flame Test

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

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
735C24 0082000	2,000 FT	1,942.000 LB	GRAY	C	24#25LDPE/FHDLDP SH PVC FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 05-16-2008

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