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1-800-Belden1



General Description:

26 AWG solid .016" silver-plated copper conductor(s), foam HDPE insulation, Beldfoil® + tinned copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
12	26	Solid	SPC - Silver Plated Copper	.016

Total Number of Conductors: 12

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	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000
2		Braid	TC - Tinned Copper	95.000

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.129

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: 0.581 in.

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 191 lbs/1000 ft.

Max. Recommended Pulling Tension: 300 lbs.

Min. Bend Radius (Each Coax): 1.250 in.

Min. Bend Radius (Overall): 6 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/(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):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes
Other Specification:	Telcordia Specification GR-139-Core

Flame Test

UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4

Suitability

Suitability - Indoor:	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 (%)
76

Nominal Delay:

Delay (ns/ft)
1.34

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
41

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.3

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.600
1.024	0.610
4.224	1.100
5.000	1.200
10.000	1.700
17.184	2.200
22.368	2.500
25.920	2.700
44.736	3.600
50.000	3.800
69.632	4.500
77.760	4.800
100.000	5.500
137.088	6.400
200.000	7.800

Max. Operating Voltage - UL:

Voltage
300 V RMS

Other Electrical Characteristic 1:

Impedance tested in accordance with ASTM D-4566 Paragraph 43.2, Option 2 using a 75 Ohm Fixed Bridge and Termination.

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

735A12 Coax - 735A* Series

Other Electrical Characteristic 2: RL tested in Accordance with ASIM D-4566 Paragraph 45.3, 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)
		15	95	30

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
735A12 0081000	1,000 FT	206.000 LB	GRAY	C	12 #26 COAX FRPVC
735A12 008500	500 FT	104.500 LB	GRAY	C	12 #26 COAX FRPVC

Notes:

C = CRATE REEL PUT-UP.

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