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1-800-Belden1



General Description:

26 AWG solid .016" (.40mm) 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.)
1	26	Solid	SPC - Silver Plated Copper	.016

Total Number of Conductors: 1

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000
2		Braid	TC - Tinned Copper	95.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.129 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
Bulk Cable Weight:	12 lbs/1000 ft.
Max. Recommended Pulling Tension:	25 lbs.
Min. Bend Radius/Minor Axis:	1.250 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):	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

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

735A1 Coax - 735A* Series

CSA Flame Test: FT4

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 735A1P

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
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 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)
		15	90	30

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
735A1 0081000	1,000 FT	13.000 LB	GRAY		#26 LDPE/FHDPE SH PVC
735A1 008500	500 FT	6.500 LB	GRAY		#26 LDPE/FHDPE SH PVC

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