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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. (mm)
1	26	Solid	SPC - Silver Plated Copper	0.4064

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FHDPE - Foam High Density Polyethylene	1.9558

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: 3.277 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
Bulk Cable Weight:	17.858 Kg/Km
Max. Recommended Pulling Tension:	111.205 N
Min. Bend Radius/Minor Axis:	31.750 mm

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
MII 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

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 735A1P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/m)

0.62339

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

58.0737

Nominal Velocity of Propagation:

VP (%)

76

Nominal Delay:

Delay (ns/m)

4.39654

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

134.521

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

17.3893

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	1.969
1.024	2.001
4.224	3.609
5.000	3.937
10.000	5.578
17.184	7.218
22.368	8.203
25.920	8.859
44.736	11.812
50.000	12.468
69.632	14.765
77.760	15.749
100.000	18.046
200.000	25.592

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

METRIC MEASUREMENT VERSION

735A1 Coax - 735A* Series

Revision Number: 5 Revision Date: 08-05-2013

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