Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



735A2 Coax - 735A* Series

For more Information please call

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. (2) of these coax Siamese bonded in parallel.

Physical Characteristics (Overall)

Conductor

AWG:

# Coa	x AWG	Stranding	Conductor Material	Dia. (in.)
2	26	Solid	SPC - Silver Plated Copper	.016

Total Number of Conductors: 2

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

Layer #	r # Outer Shield Trade Name		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 x 0.258 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
Bulk Cable Weight:	23 lbs/1000 ft.
Max. Recommended Pulling Tension:	50 lbs.
Min. Bend Radius/Minor Axis:	0.900 in.
Min. Bend Radius (Overall):	2.500 in.

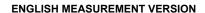
Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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	

Page 1 of 3 02-14-2013

Detailed Specifications & Technical Data





735A2 Coax - 735A* Series

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				
Suitability - Outdoor:	Yes				
Plenum/Non-Plenum					
Plenum (Y/N):	No				

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



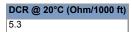
Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



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

Page 2 of 3 02-14-2013

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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137.088	6.400
200.000	7.800

Max. Operating Voltage - UL:

Voltag	
300 V I	RMS

Impedance tested in accordance with ASTM D-4566 Paragraph 43.2, Option 2 Other Electrical Characteristic 1:

using a 75 Ohm Fixed Bridge and Termination.

Other Electrical Characteristic 2: RL tested in Accordance with ASTM 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

Notes (Overall)

Notes: Siamese version feature zip cord design with printing on one leg

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
735A2 0081000	1,000 FT	26.000 LB	GRAY	С	#26 PE BRD PVC DUAL
735A2 008500	500 FT	14.500 LB	GRAY	С	#26 PE BRD PVC DUAL

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 09-20-2012

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