Detailed Specifications & Technical Data





735A8 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.

Physical Characteristics (Overall)	
Conductor	
AWG: # Coax AWG Stranding Conductor Material Dia. (in.)	
# Coax AWG Stranding Conductor Material Dia. (in.) 8 26 Solid SPC - Silver Plated Copper .016	
Total Number of Conductors:	8
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	
1 Beldfoil® Tape Aluminum Foil-Polyes 2 Braid TC - Tinned Copper	ster Tape 100.000 95.000
	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:	0.447 in.
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-40°C To +75°C
Bulk Cable Weight:	118 lbs/1000 ft.
Max. Recommended Pulling Tension:	200 lbs.
Min. Bend Radius (Each Coax):	1.250 in.
Min. Bend Radius (Overall):	4.500 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

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ENGLISH MEASUREMENT VERSION



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EU Direct	tive 2002/95/EC (RoHS):		Yes
	Compliance Date (mm/do	d/vvvv):	01/01/2004
			Yes
	tive 2002/96/EC (WEEE):		
EU Direct	tive 2003/11/EC (BFR):		Yes
CA Prop	65 (CJ for Wire & Cable):		Yes
MII Order	#39 (China RoHS):		Yes
Other Spe	ecification:		Telcordia Specification GR-139-Core
-lame Test			
UL Flame	Test:		UL1666 Vertical Shaft
CSA Flam	ne Test:		FT4
Suitability			
-	y - Indoor:		Yes
Plenum/Non	-Plenum		
Plenum (No
	haracteristics (Ove	rall)	
Nom. Characte	eristic Impedance:		
Impedance	(Ohm)		
75			
Nom. Inductan			
Inductance	μ(μH/ft)		
.19			
	ance Conductor to Shield:	/ 	
Capacitance 17.7			
	ity of Propagation		
VP (%)	ity of Propagation:		
76			
Nominal Delay			
Delay (ns/ft			
1.34			
Nom. Conduct	or DC Resistance:		
DCR @ 20°	C (Ohm/1000 ft)		
41			
Nominal Outer	Shield DC Resistance:		
DCR @ 20°	C (Ohm/1000 ft)		
5.3			
Max. Attenuati			
	Attenuation (dB/100 ft.)		
1.000	0.600		
4.224	1.100		
5.000	1.200		
10.000	1.700		
17.184	2.200		
22.368	2.500		
25.920 44.736	2.700 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	l .	
	g Voltage - UL:		
Voltage 300 V RMS			
	1		
Other Ele	ctrical Characteristic 1:		Impedance tested in accordance with ASTM D-4566 Paragraph 43.2, Option 2 using a 75 Ohm Fixed Bridge and Termination.
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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

Put Ups and Colors:

ltem #	Putup	Ship Weight	Color	Notes	Item Desc
735A8 0081000	1,000 FT	125.000 LB	GRAY	С	8 #26 COAX FRPVC
735A8 008500	500 FT	64.000 LB	GRAY	С	8 #26 COAX FRPVC

Notes:

C = CRATE REEL PUT-UP.

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