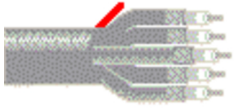


Product: [735A9](#) 



DS-3 and DS-4, 735A Series, 9 Coax 26 AWG SPC, CMR/CMG

Product Description

735A Series, 9 Coax 26 AWG solid .016" silver-plated copper conductor(s), foam HDPE insulation, Beldfoil® + tinned copper braid shield (95% coverage), CMR rated, individual and overall PVC jackets.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
26	Solid	SC - Silvered Copper	0.016 in	9

Conductor Count:	9
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Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.077 in

Inner Shield

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%
Braid	2	Tinned Copper (TC)		95%

Inner Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.129 in

Outer Shield

Material
No Shield

Outer Jacket

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.484 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
41 Ohm/1000ft	5.3 Ohm/1000ft	7 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
17.7 pF/ft

Inductance

Nominal Inductance
0.19 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
15-95 MHz	30 dB

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.34 ns/ft	76%

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. RL (Return Loss) [dB]
1 MHz	0.6 dB/100ft	30 dB
1.024 MHz	0.61 dB/100ft	
4.224 MHz	1.1 dB/100ft	
5 MHz	1.2 dB/100ft	
10 MHz	1.7 dB/100ft	
17.184 MHz	2.2 dB/100ft	
22.368 MHz	2.5 dB/100ft	
25.92 MHz	2.7 dB/100ft	
44.736 MHz	3.6 dB/100ft	
50 MHz	3.8 dB/100ft	
69.632 MHz	4.5 dB/100ft	
77.76 MHz	4.8 dB/100ft	
100 MHz	5.5 dB/100ft	
137.088 MHz	6.4 dB/100ft	
200 MHz	7.8 dB/100ft	

Voltage

UL Voltage Rating
300 V RMS

Electrical Characteristics Notes:	Return Loss: Fixed bridge and termination
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Temperature Range

Operating Temp Range:	-20°C To +75°C
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Mechanical Characteristics

Bulk Cable Weight:	137 lbs/1000ft
Max. Pull Tension:	165 lbs
Min Bend Radius (Overall):	4.9 in
Min Bend Radius (Each Coax):	1.3 in

Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
RG Type:	Sub-miniature 59
Other Specification:	Telcordia Specification GR-139-Core

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
735A9 008500	Gray	Reel	500 ft	612825184621
735A9 0081000	Gray	Reel	1,000 ft	612825184867

Footnote:	C - CRATE REEL PUT-UP.
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Product Notes

Notes:	Rip cord under overall jacket
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History

Update and Revision:	Revision Number: 0.268 Revision Date: 09-10-2021
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