

735A1 Coax - 735A* Series

		<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

26 AWG solid .016" (.40mm) silver-plated copper conductor(s), foam HDPE insulation, Beldfoil® + tinned copper braid shield (93% coverage), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
AWG	26
Stranding	Solid
Conductor Diameter	.016 in.
Conductor Material	SPC - Silver Plated Copper

INSULATION:

Insulation Material	FHDPE - Foam High Density Polyethylene
Insulation Diameter	.077 in.

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	93

Outer Shield %Coverage	100 %
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.129 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +75°C
Bulk Cable Weight	11.1 lbs/1000 ft.
Max. Recommended Pulling Tension	25 lbs.

735A1 Coax - 735A* Series

Min. Bend Radius (Install)	0.9 in.
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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMR
CEC/C(UL) Specification	CMG
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
Other Specification	Telcordia Specification GR-139-CORE.

FLAME TEST:

UL Flame Test	UL1666 Vertical Shaft
C(UL) Flame Test	FT4

SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes - with messenger

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	735A1P

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.19 μ H/ft
Nom. Capacitance Conductor to Shield	17.7 pF/ft
Nominal Velocity of Propagation	76 %
Nominal Delay	1.34 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	41 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	5.3 Ohms/1000 ft

Minimum Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Return Loss (dB)
		15	90	30

Nom. Attenuation (DS3/4) :

735A1 Coax - 735A* Series

Description	Std. Signal (Mb/s)	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (DS3/4) (dB/100 ft.)
	2	1.0			.6
	CEPT-1	1.0			.6
	CEPT-2	4.2			1.1
	10	5.0			1.2
	20	10.0			1.7
	CEPT-3	17.2			2.2
	DS-3	22.4			2.5
	STS-1	25.9			2.7
	89.472	44.7			3.6
	100	50.0			3.8
	CEPT-4	69.6			4.5
	STS-3	77.8			4.8
	200	100.0			5.5
	DS-4	137.1			6.4
	400	200.0			7.8

Max. Operating Voltage - UL	300 V RMS
Other Electrical Characteristic 1	Impedance tested in Accordance with ASTM D-4566 Paragraph 43.2, Option 2 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.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
735A1 0081000	#26 LDPE/FHDPE SH PVC	1000	12	GRAY	
735A1 008500	#26 LDPE/FHDPE SH PVC	500	6.5	GRAY	

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