

735AS6P Coax - Bundled 735 Plenum Telecommunication Coax



For more Information
please call

1-800-Belden1



General Description:

6-26 AWG solid silver plated copper conductors, foam FEP insulation, Beldfoil® shield (100% coverage) plus a tinned copper braid shield (90% coverage), Flammarrest® jacket. Banana Peel®.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
6	26	Solid	SPC - Silver Plated Copper	0.016

Total Number of Conductors: 6

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon	FFEP - Foam Fluorinated Ethylene Propylene	0.077

Fillers

Fillers: Extruded PVC Spline

Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000
2		Braid	TC - Tinned Copper	90.000

Inner Jacket

Inner Jacket Material:

Inner Jacket Trade Name	Inner Jacket Material	Nom. Dia. (in.)
Flammarrest(R)	LS PVC - Low Smoke Polyvinyl Chloride	0.129

Overall Cable

Overall Nominal Diameter: 0.405 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	60°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	96 lbs/1000 ft.
Min. Bend Radius (Overall):	4 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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):	11/06/2008
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

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Flame Test

UL Flame Test:	NFPA 262 Plenum Flame Test (UL910)(FT6)
C(UL) Flame Test:	FT6

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	735A6

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75.000

Nom. Inductance:

Inductance (µH/ft)
0.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
17.500

Nominal Velocity of Propagation:

VP (%)
76.000

Nominal Delay:

Delay (ns/ft)
1.340

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
41.000

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.300

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
137.088	6.400
200.000	7.800

Max. Operating Voltage - UL:

Voltage
300 V RMS

Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
15.000	95.000	30.000

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
735AS6P 0081000	1,000 FT	96.000 LB	GRAY		BONDED FILLER COMPOSITE
735AS6P 008500	500 FT	53.000 LB	GRAY		BONDED FILLER COMPOSITE

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