

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), Flamarrest® jacket. Banana Peel®.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
6	26	Solid	SPC - Silver Plated Copper	0.406

Total Number of Conductors: 6

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon	FFEP - Foam Fluorinated Ethylene Propylene	1.956

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. (mm)
Flamarrest(R)	LS PVC - Low Smoke Polyvinyl Chloride	3.277

Overall Cable

Overall Nominal Diameter: 10.287 mm

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: 142.867 Kg/Km

Min. Bend Radius (Overall): 101.600 mm

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

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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
MII Order #39 (China RoHS):	Yes

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/m)
0.318

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
57.418

Nominal Velocity of Propagation:

VP (%)
76.000

Nominal Delay:

Delay (ns/m)
4.397

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
134.521

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
17.389

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	1.969
1.024	2.001
4.224	3.609
5.000	3.937
10.000	5.578
17.184	7.218
22.368	8.203
25.920	8.859
44.736	11.812
50.000	12.468
69.632	14.765

METRIC MEASUREMENT VERSION

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77.760	15.749
100.000	18.046
137.088	20.998
200.000	25.592

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 008500	500 FT	53.000 LB	GRAY		BONDED FILLER COMPOSITE

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