

734AS6P Coax - Bundled 734 Series Plenum Telecommunication Coax



For more Information
please call

1-800-Belden1



General Description:

6-20 AWG stranded bare copper conductors, foam FEP insulation, Beldfoil® shield (100% coverage) plus a tinned copper braid shield (85% coverage), Flamarest® jacket. Banana Peel®.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
6	20	Solid	BC - Bare Copper	0.864

Total Number of Conductors: 6

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon	FFEP - Foam Fluorinated Ethylene Propylene	3.759

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	Braid	TC - Tinned Copper	85.000

Inner Jacket

Inner Jacket Material:

Inner Jacket Trade Name	Inner Jacket Material	Nom. Dia. (mm)
Flamarest(R)	LS PVC - Low Smoke Polyvinyl Chloride	5.410

Overall Cable

Overall Nominal Diameter: 17.145 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

Bulk Cable Weight: 316.987 Kg/Km

Min. Bend Radius (Each Coax): 57.150 mm

Min. Bend Radius (Overall): 171.450 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

EU Directive 2000/53/EC (ELV): Yes

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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
Other Specification:	Telcordia Specification GR-139-Core

Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	734A6

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75.000

Nom. Inductance:

Inductance (µH/m)

0.312

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

56.761

Nominal Velocity of Propagation:

VP (%)

80.000

Nominal Delay:

Delay (ns/m)

4.167

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

33.138

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

9.843

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.024	0.951
4.224	1.772
17.184	3.642
22.368	4.167
25.920	4.495
69.632	7.513
77.760	7.973
137.088	10.860

Max. Operating Voltage - UL:

Voltage

300

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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
734AS6P 0081000	1,000 FT	232.000 LB	GRAY		BONDED FILLER COMPOSITE CABLE
734AS6P 008500	500 FT	109.500 LB	GRAY		BONDED FILLER COMPOSITE

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