

## 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), Flamarrest® jacket. Banana Peel®.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
6	20	Solid	BC - Bare Copper	0.034

Total Number of Conductors: 6

**Insulation**

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon	FFEP - Foam Fluorinated Ethylene Propylene	0.148

**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. (in.)
Flamarrest(R)	LS PVC - Low Smoke Polyvinyl Chloride	0.213

**Overall Cable**

Overall Nominal Diameter: 0.675 in.

**Mechanical Characteristics (Overall)**

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

Bulk Cable Weight: 213 lbs/1000 ft.

Min. Bend Radius (Each Coax): 2.250 in.

Min. Bend Radius (Overall): 6.750 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

MII Order #39 (China RoHS): Yes

Other Specification: Telcordia Specification GR-139-Core

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## Flame Test

UL Flame Test: NFPA 262

CSA Flame Test: FT6

## Suitability

Suitability - Indoor: Yes

## 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/ft)

0.095

## Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

17.300

## Nominal Velocity of Propagation:

VP (%)

80.000

## Nominal Delay:

Delay (ns/ft)

1.270

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.100

## Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.000

## Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.024	0.290
4.224	0.540
17.184	1.110
22.368	1.270
25.920	1.370
69.632	2.290
77.760	2.430
137.088	3.310

## Max. Operating Voltage - UL:

Voltage

300

## 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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