

734AS3P Coax - Bundled 734 Plenum Telecommunication Coax



For more Information
please call

1-800-Belden1

**General Description:**

3-20 AWG solid 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.)
3	20	Solid	BC - Bare Copper	0.034

Total Number of Conductors: 3

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)	Dia. (in.)
Teflon	FFEP - Foam Fluorinated Ethylene Propylene	0.058	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 Wall (in.)	Nom. Dia. (in.)
Flamarrest(R)	LS PVC - Low Smoke Polyvinyl Chloride	0.015	0.213

Overall Cable

Overall Nominal Diameter: 0.475 in.

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 106 lbs/1000 ft.

Min. Bend Radius (Each Coax): 2.100 in.

Min. Bend Radius (Overall): 4.750 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 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
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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
734AS3P 0081000	1,000 FT	120.000 LB	GRAY		BONDED FILLER COMPOSITE
734AS3P 008500	500 FT	53.000 LB	GRAY		BONDED FILLER COMPOSITE

Revision Number: 1 Revision Date: 09-04-2013

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).