

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

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Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).



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