

734A1P Coax - 734A Series



For more Information
please call

1-800-Belden1

**General Description:**

20 AWG solid .032" (.81mm) bare copper conductor(s), plenum, foam FEP insulation, Beldfoil® + tinned copper braid shield (85% coverage), Flamarrest® jacket.

Physical Characteristics (Overall)**Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BC - Bare Copper	.032

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	.148

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	85

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.213 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	0°C To +75°C
Bulk Cable Weight:	33 lbs/1000 ft.
Max. Recommended Pulling Tension:	52 lbs.
Min. Bend Radius/Minor Axis:	2.250 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):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

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
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Non-Plenum Number:	734A1
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:****Impedance (Ohm)**

75

Nom. Inductance:**Inductance (μH/ft)**

.095

Nom. Capacitance Conductor to Shield:**Capacitance (pF/ft)**

17.3

Nominal Velocity of Propagation:**VP (%)**

80

Nominal Delay:**Delay (ns/ft)**

1.27

Nom. Conductor DC Resistance:**DCR @ 20°C (Ohm/1000 ft)**

10.1

Nominal Outer Shield DC Resistance:**DCR @ 20°C (Ohm/1000 ft)**

2.4

Max. Operating Voltage - UL:**Voltage**

300 V RMS

Other Electrical Characteristic 1:	Impedance tested in accordance with ASTM D-4566 Paragraph 43.2, option 2 using a 75 OHM fixed bridge and termination.
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Other Electrical Characteristic 2:	RL tested in accordance with ASTM D-4566 Paragraph 43.2, option 2 using a 75 OHM fixed bridge and termination.
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Other Electrical Characteristic 3:	100% Sweep tested.
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Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		15	95	30

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
734A1P 0081000	1,000 FT	36.000 LB	GRAY	C	#20 FFEP SH FLRST
734A1P 008500	500 FT	18.000 LB	GRAY	C	#20 FFEP SH FLRST

Notes:

C = CRATE REEL PUT-UP.

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