

## 734AS6P Coax - Bundled 734 Series Plenum Telecommunication Coax



For more Information  
please call

1-800-Belden1

**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

**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: 0.675 in.

**Mechanical Characteristics (Overall)**

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

Bulk Cable Weight: 213 lbs/1000 ft.

Min. Bend Radius (Each Coax): 2.100 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 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

**734AS6P Coax - Bundled 734 Series Plenum Telecommunication Coax**

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 Plenum Flame Test (UL910)(FT6)
C(UL) 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)
-------------------	------------------	--------------

**734AS6P Coax - Bundled 734 Series Plenum Telecommunication Coax**

15.000	95.000	30.000
--------	--------	--------

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
--------	-------	-------------	-------	-------	-----------

Revision Number: 0    Revision Date: 07-31-2009

© 2012 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. 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 73/23/EEC), as amended by directive 93/68/EEC.