# **Detailed Specifications & Technical Data**

## **METRIC MEASUREMENT VERSION**



## 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 brain shield (85% coverage), Flamarrest® jacket. Banana Peel®.

# **Physical Characteristics (Overall)**

### Conductor

#### AWG:

# Coax	AWG	Stranding	<b>Conductor Material</b>	Dia. (mm)
6	20	Solid	BC - Bare Copper	0.864

Total Number of Conductors: 6

### Insulation

### **Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon	FFEP - Foam Fluorinated Ethylene Propylene	3.759

### **Fillers**

Fillers: Extruded PVC Spline

## **Inner Shield**

### Inner Shield Material:

Layer # Inner Shield Trade Name		Type	Inner Shield Material	Coverage (%)	
	1	Beldfoil®	Таре	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. (mm)
Flamarrest(R)	LS PVC - Low Smoke Polyvinyl Chloride	5.410

## **Overall Cable**

Overall Nominal Diameter: 17.145 mm

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	316.987 Kg/Km
Min. Bend Radius (Each Coax):	57.150 mm
Min. Bend Radius (Overall):	171.450 mm

# **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

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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
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:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



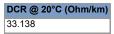
Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:



Nom. Inner Shield DC Resistance:



Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.024	0.951
4.224	1.772
17.184	3.642
22.368	4.167
25.920	4.495
69.632	7.513
77.760	7.973
137.088	10.860

Max. Operating Voltage - UL:



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#### 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

Revision Number: 0 Revision Date: 08-08-2013

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