

Product: [734AS6P](#) 



DS-3 and DS-4, 734A Series, 6 Coax 20 AWG BC, Banana Peel, CMP

Product Description

734A Series, 6 Coax 20 AWG solid bare copper conductors, foam FEP insulation, Beldfoil® + tinned copper braid shield (85% coverage), CMP rated, Flamarrest® low smoke PVC jackets in a Banana Peel® construction.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	BC - Bare Copper	0.032 in	6

Conductor Count:	6
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Insulation

Material	Material Trade Name	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	Teflon®	0.148 in

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%
Braid	2	Tinned Copper (TC)		85%

Inner Jacket Material

Material	Material Trade Name	Nominal Diameter
PVC - Polyvinyl Chloride	Flamarrest®	0.213 in

Outer Jacket Material

Nominal Diameter
0.675 in

Construction and Dimensions

Cabling 2

Filler
Extruded PVC Spline

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Outer Conductor DCR
10.1 Ohm/1000ft	3 Ohm/1000ft	3.0 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
17.3 pF/ft

Inductance

Nominal Inductance
0.095 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
15 - 95 MHz	30 dB

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.29 ns/ft	79%

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
1.024 MHz	0.29 dB/100ft
4.224 MHz	0.54 dB/100ft
17.184 MHz	1.11 dB/100ft
22.368 MHz	1.27 dB/100ft
25.92 MHz	1.37 dB/100ft
69.632 MHz	2.29 dB/100ft
77.76 MHz	2.43 dB/100ft
137.088 MHz	3.31 dB/100ft

Voltage

UL Voltage Rating
300 V

Electrical Characteristics Notes:	Return Loss: Fixed bridge and termination
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Temperature Range

Operating Temp Range:	0°C To +75°C
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Mechanical Characteristics

Bulk Cable Weight:	230 lbs/1000ft
Min Bend Radius (Overall):	6.75 in
Min Bend Radius (Each Coax):	2.2 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
RG Type:	59/U Type
Other Compliance:	Telcordia Specification GR-139-Core

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2008-11-06
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262
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CSA Flammability:	FT6
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	734A6
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Variants

Item #	Color	Putup Type	Length	UPC
734AS6P 008500	Gray	Reel	500 ft	612825184218
734AS6P 0081000	Gray	Reel	1,000 ft	612825184119

History

Update and Revision:	Revision Number: 0.158 Revision Date: 09-30-2020
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