
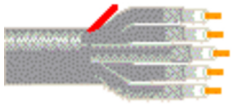


**Product:** [734A6](#) 



DS-3 and DS-4, 734A Series, 6 Coax 20 AWG BC, CMR/CMG

## Product Description

734A Series, 6 Coax 20 AWG solid .032" (.81mm) bare copper conductor(s), gas-injected FHDPE insulation, Beldfoil® + tinned copper braid shield (85% coverage), CMR rated, individual and overall PVC jackets with ripcord.

## 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	Nominal Diameter
PE - Polyethylene (Foam)	0.148 in

Table Notes:	Gas Injected
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#### 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	Nominal Diameter
PVC - Polyvinyl Chloride	0.235 in

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.772 in	Yes

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Outer Conductor DCR
10 Ohm/1000ft	24 Ohm/1000ft	24 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
16.8 pF/ft

#### Inductance

Nominal Inductance

0.097 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) [%]

1.25 ns/ft | 81%

#### Voltage

##### UL Voltage Rating

300 V RMS

Electrical Characteristics Notes: Return Loss: Fixed bridge and termination

#### Temperature Range

Operating Temp Range: -20°C To +75°C

#### Mechanical Characteristics

Bulk Cable Weight: 229 lbs/1000ft

Max. Pull Tension: 243 lbs

Min Bend Radius (Each Coax): 2.4 in

Min Bend Radius/Minor Axis: 7.75 in

#### Standards

NEC/(UL) Compliance: CMR

CEC/C(UL) Compliance: CMG

RG Type: 59/U Type

Other Compliance: Telcordia Specification GR-139-CORE

#### Applicable Environmental and Other Programs

Environmental Space: Indoor - Riser

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): 2004-01-01

MII Order #39 (China RoHS): Yes

#### Suitability

Suitability - Indoor: Yes

#### Flammability, LSOH, Toxicity Testing

UL Flammability: UL1666 Vertical Shaft

CSA Flammability: FT4

UL voltage rating: 300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N): No

#### Part Number

#### Variants

Item #	Color	Putup Type	Length	UPC
734A6 008500	Gray	Reel	500 ft	612825184089

734A6 0081000	Gray	Reel	1,000 ft	612825184195
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Footnote:	C - CRATE REEL PUT-UP.
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## Product Notes

Notes:	Rip cord under overall jacket
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## History

Update and Revision:	Revision Number: 0.212 Revision Date: 09-30-2020
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