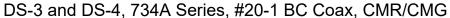


Product: <u>734A1</u> ☑





# **Product Description**

20 AWG solid .032" (.81mm) bare copper conductor(s), gas-injected FHDPE insulation, Beldfoil®; tinned copper braid shield (85% coverage), PVC jacket.

# **Technical Specifications**

### **Physical Characteristics (Overall)**

Conductor  AWG   Stranding   Material   Nominal Diameter   No. of Coax				
20	Solid	BC - Bare Copper		1
Condu	ctor Count:			1
nsulation				
	Material	Nominal D	Diameter	
PE - P		(Foam) 0.148 in	Diameter	

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

#### **Outer Jacket Material**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.235 in

### **Electrical Characteristics**

#### Conductor DCR

Nominal Conductor DCR Conductor Resistance DCR		Nominal Outer Shield DCR	Outer Conductor DCR
10 Ohm/1000ft	10 Ohm/1000ft	2.4 Ohm/1000ft	2.4 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield 16.8 pF/ft

### Inductance

Nominal Inductance

#### Impedance

Nominal Characteristic Impedance
75 Ohm

### Return Loss (RL)

Frequency [MHz] Min. Structural Return Loss (SRL)

15-95 MHz	30 dB	

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.27 ns/ft	80%

#### Voltage

UL Voltage Rating 300 V RMS

### **Temperature Range**

Operating Temp Range:	-40°C To +75°C

### **Mechanical Characteristics**

Bulk Cable Weight:	30 lbs/1000ft
Max. Pull Tension:	60 lbs
Min Bend Radius/Minor Axis:	2.5 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 CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

# Suitability

Suitability - Indoor:	Yes
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# Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	734A1P

# **Part Number**

# Variants

Item #	Color	Putup Type	Length	UPC
734A1 008500	Gray	Reel	500 ft	612825184164
734A1 0081000	Gray	Reel	1,000 ft	612825184133

Footnote: C - CRATE REEL PUT-UP.

### **History**

ı	Jpdate and Revision:	Revision Number: 0.274 Revision Date: 09-30-2020

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