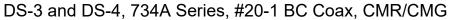


Product: <u>734A1</u> ☑





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)

Filys	icai c	naracteristics (O	eran)	
Condu	ctor			
AWG	Strand	ing Material	Nominal Diameter	No. of Coax
20	Solid	BC - Bare Copper	0.032 in	1
Condu	uctor Co	unt:		1
Insulat	tion			
Material Nominal Diameter				
PE - F	Polyethyl	ene (Foam) 0.148 in		
Table	Notes:			Gas Injected
Outer :	outer Shield			
Type	Layer	Material	Material Trade Na	me Coverage [%]
Tape	1	Bi-Laminate (Alum+Poly	r) Beldfoil®	100%
Braid	2	Tinned Copper (TC)		85%

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.235 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	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 0.097 µH/ft

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 Temperature 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

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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes	

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

Related Part Numbers

Variants

Item #	Color	Put-Up 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

Update and Revision:	Revision Number: 0.330 Revision Date: 04-29-2024
----------------------	--

© 2024 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Belden Wire & Cable:

734A1 008500 734A1 0081000