
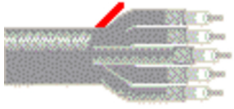


**Product:** [734C6](#) 



DS-3 and DS-4, 734C Series, #20-6 SPC Coax, CMR/CMG

**Product Description**

20 AWG solid .032" silver-plated copper conductors, gas-injected FHDPE insulation, Duobond®; tinned copper braid shield (85% coverage), inner PVC jacket, overall PVC jacket with ripcord.

**Technical Specifications**

**Product Overview**

Suitable Applications:	Central Office wiring for DS3 transmissions.
------------------------	--

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	SCCS - Silvered Copper Covered Steel	0.032 in	6

Conductor Count:	6
------------------	---

**Insulation**

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.148 in

Table Notes:	Gas Injected
--------------	--------------

**Inner Shield Material**

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

Table Notes:	Tape bonded to dielectric
--------------	---------------------------

**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	0.777 in	Yes

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Inner 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 $\mu$ H/ft

#### Impedance

Nominal Characteristic Impedance
75 Ohm

#### Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-150 MHz	32 dB

#### Delay

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

#### High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
1 MHz	0.28 dB/100ft
5 MHz	0.59 dB/100ft
10 MHz	0.8 dB/100ft
22.5 MHz	1.18 dB/100ft
50 MHz	1.82 dB/100ft
100 MHz	2.6 dB/100ft
150 MHz	3.22 dB/100ft

#### Voltage

UL Voltage Rating
300 V RMS

#### Temperature Range

Operating Temp Range:	-40°C To +75°C
-----------------------	----------------

#### Mechanical Characteristics

Bulk Cable Weight:	235 lbs/1000ft
Max. Pull Tension:	362 lbs
Min Bend Radius (Overall):	7.75 in
Min Bend Radius (Each Coax):	2.4 in

#### Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
RG Type:	59/U Type
Other Compliance:	Telcordia Specification GF-139-CORE; SBC ENTERPRISE - SBC-002-316-019, ISSUE 4

#### Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
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):	2007-10-17
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	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
734C6 0081000	Gray	Reel	1,000 ft	612825184331
734C6 0082000	Gray	Reel	2,000 ft	612825184348
734C6 0083000	Gray	Reel	3,000 ft	612825184362

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

## History

Update and Revision:	Revision Number: 0.157 Revision Date: 09-30-2020
----------------------	--

© 2020 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.