



Product: [613948](#)

Surveillance CCTV, RG-11 #14 BC, 95% BC Braid, CMP

Product Description

Surveillance & CCTV Cable, RG11, Plenum-CMP, 14 AWG solid bare copper, foam FEP core, 95% bare copper braid, PVDF

Technical Specifications

Product Overview

Suitable Applications:	Surveillance, CCTV Camera
------------------------	---------------------------

Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Coax
14	Solid	BC - Bare Copper	0.064 in	1
Conductor Count:				1

Insulation	
Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.274 in

Outer Shield		
Type	Material	Coverage [%]
Braid	Bare Copper (BC)	95%

Outer Jacket	
Material	Nominal Diameter
PVDF - Polyvinylidene Fluoride	0.348 in
Weight:	0.935 lbs

Electrical Characteristics

Conductor DCR				
Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
2.6 Ohm/1000ft	2.6 Ohm/1000ft		1.2 Ohm/1000ft	1.2 Ohm/1000ft

Capacitance
Nom. Capacitance Conductor to Shield
16.3 pF/ft

Inductance
Nominal Inductance
0.106 µH/ft

Impedance
Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.17 dB/100ft
10 MHz	0.4 dB/100ft
50 MHz	0.95 dB/100ft
100 MHz	1.4 dB/100ft
200 MHz	2.1 dB/100ft
400 MHz	3.4 dB/100ft
700 MHz	5 dB/100ft
900 MHz	6 dB/100ft
1000 MHz	6.5 dB/100ft

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
84 ns/100m	1.22 ns/ft	83%

Unbalanced Crosstalk

Typical Unbalanced NEXT %	Typical Unbalanced FEXT %
	0.9 MHz
0.9 MHz	

Voltage

UL Voltage Rating
300 V RMS

Mated Connection

Frequency (MHz)
1

Temperature Range

UL Temp Rating:	125°C
Operating Temp Range:	-20°C To +125°C

Mechanical Characteristics

Bulk Cable Weight:	81 lbs/1000ft
Max. Pull Tension:	138 lbs
Min. Bend Radius During Installation:	0.9 in
Min. Bend Radius/Minor Axis:	3.5 in

Dimensions (WxHxD)

Width	Height	Depth
1	0.97	1

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
RG Type:	11
Series Type:	11

Applicable Environmental and Other Programs

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 Compliance:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
Suitability - Hazardous Locations:	No

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
---------------	-----

Part Number

Non-Plenum Number:	513945
--------------------	--------

Variants

Item #	Color	Put-Up Type	Length	UPC
613948 0091000	White	Reel	1,000 ft	612825173823

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

History

Update and Revision:	Revision Number: 0.398 Revision Date: 09-10-2021
----------------------	--

© 2021 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.