

**Part Number: 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: | CCTV |
|------------------------|------|

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Stranding | Material         | Nominal Diameter | No. of Pairs | No. of Coax |
|-----|-----------|------------------|------------------|--------------|-------------|
| 14  | Solid     | BC - Bare Copper | 0.064 in         | 1            | 1           |

|                  |        |
|------------------|--------|
| Conductor Count: | 1      |
| Conductor Size:  | 14 AWG |

##### Insulation

| Material                                   | Nominal Diameter |
|--|------------------|
| FFEP - Foam Fluorinated Ethylene Propylene | 0.274 in         |

##### Outer Shield Material

| Type  | Material         | Coverage [%] |
|-------|------------------|--------------|
| Braid | BC - Bare Copper | 95 %         |

##### Outer Jacket Material

| Material               | Nominal Diameter |
|------------------------|------------------|
| PVDF - Fluorocopolymer | 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 |
|--------------------------------------|
| 16.1 pF/ft                           |

|            |          |
|------------|----------|
| Shielding: | Braid(s) |
|------------|----------|

##### 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      | 1.21 ns/ft    | 84 %                                     |

#### Unbalanced Crosstalk

| Typical Unbalanced NEXT % | Typical Unbalanced FEXT % |
|---------------------------|---------------------------|
|                           | 0.9 MHz                   |
| 0.9 MHz                   |                           |

#### Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS         |

#### Temperature Range

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

#### Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 81 lbs/1000ft |
| Max Recommended Pulling Tension: | 144 lbs       |
| Min Bend Radius/Minor Axis:      | 3.5 in        |
| Min Bend Radius/Installation:    | 0.9 in        |

#### Dimensions (WxHxD)

| Width | Height | Depth |
|-------|--------|-------|
| 1     | 0.97   | 1     |

#### Standards

|                          |           |
|--------------------------|-----------|
| NEC Articles:            | 800       |
| NEC/(UL) Specification:  | CMP       |
| CEC/C(UL) Specification: | CMP       |
| RG Type:                 | 11/U Type |
| Series Type:             | Series 11 |
| RG / Series Type:        | Series 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 II):    | Yes        |
| EU Directive 2012/19/EU (WEEE):       | Yes        |
| EU Directive Compliance:              | Yes        |
| EU CE Mark:                           | Yes        |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01 |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |
| MII Order #39 (China RoHS):           | Yes        |

#### Suitability

|                        |     |
|------------------------|-----|
| 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 | Footnote |
|----------------|-------|----------|
| 613948 0091000 | White | C        |

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

© 2018 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.