



Product: [4855RBUHD3 B50](#) 

12 GHz Mini RG59 BNC Connector

Product Description

Mini RG-59, 12 GHz, UHD, BNC, 3 piece crimp connector

Technical Specifications

Product Overview

|                        |                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | HD-SDI, UHD-SDI, Video, Digital Video, SMPTE 2082-1 12 Gb/s UHDTV, SMPTE 2081-1 6 Gb/s UHDTV, SMPTE 424M 3 Gb/s HD-SDI 1080P |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|

Physical Characteristics (Overall)

|                   |                |
|-------------------|----------------|
| Packaging:        | 50 per package |
| Number of Pieces: | 3              |

Connectors

Materials

| Description | Material             |
|-------------|----------------------|
| Nut         | Brass, Nickel Plated |
| Body        | Brass, Nickel Plated |
| Contact     | Brass, Gold Plated   |
| Insulator   | PTFE                 |

Electrical Characteristics

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 75 Ohm                           |

Return Loss (RL)

| Frequency [MHz] | Minimum Return (RL) |
|-----------------|---------------------|
| 5-1485          | 15 dB               |
| 1485-3000       | 10 dB               |
| 3000-6000       | 7 dB                |
| 6000-12000      | 4 dB                |

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Electrical Characteristics Notes: | SMPTE 2082-1 Return Loss or better |
|-----------------------------------|------------------------------------|

Mechanical Characteristics

|                                         |                                 |
|-----------------------------------------|---------------------------------|
| Footprint/Type:                         | Coax                            |
| Connector Interface Type:               | BNC                             |
| Gender:                                 | Male - plug                     |
| Connector Series Name:                  | UHD                             |
| Color Band:                             | Violet                          |
| Locking:                                | No                              |
| Tool Compatibility:                     | BB3PHCT (crimp), BB3PST (strip) |
| Termination Type:                       | Crimp                           |
| Cable Center Conductor Diameter Limits: | 0.0208 - 0.0244 in              |

|                                     |                    |
|-------------------------------------|--------------------|
| Cable Dielectric Diameter Limits:   | 0.0964 - 0.1019 in |
| Cable Outer Jacket Diameter Limits: | 0.1574 - 0.1692 in |

### Standards

|          |         |
|----------|---------|
| RG Type: | Mini 59 |
|----------|---------|

### Applicable Environmental and Other Programs

|                                    |                               |
|------------------------------------|-------------------------------|
| Environmental Space:               | Indoor                        |
| EU Directive 2000/53/EC (ELV):     | 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) |

### Suitability

|                        |     |
|------------------------|-----|
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | No  |

### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

### Part Number

#### Variants

| Item #         | Color  | UPC          |
|----------------|--------|--------------|
| 4855RBUHD3 B50 | Violet | 845671005509 |

### History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.27 Revision Date: 01-31-2020 |
|----------------------|-------------------------------------------------|

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