



**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)    |
| 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 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) |

Suitability

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

Plenum/Non-Plenum

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

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.46 Revision Date: 08-16-2023 |
|----------------------|-------------------------------------------------|

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