



**Product:** [A4855RHUHD3S01](#) 

12GHz, 75 Ohm, Straight Crimp HD-BNC Plug for 4855R Cable

## Product Description

12GHz, Series 59 Mini UHD, HD-BNC connector, 3 piece connector suitable for Belden 4855R, 4K UHD Precision Video RG-59 Mini Coax Cable

## 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:        | 1 set per plastic bag |
| Number of Pieces: | 3                     |

### Connectors

#### Materials

| Description                      | Material                     |
|----------------------------------|------------------------------|
| Body, Ferrule and Bayonet Sleeve | Brass, Nickel Plating        |
| Contact                          | Gold plating phosphor bronze |
| Outer contact                    | BeCu, Nickel plating         |
| Spring                           | Stainless steel.             |
| Insulation                       | PTFE                         |

### Electrical Characteristics

|                        |                    |
|------------------------|--------------------|
| Insulation Resistance: | $\geq 10,000$ MOhm |
|------------------------|--------------------|

#### Impedance

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

#### Return Loss (RL)

| Frequency [MHz] | Minimum Return (RL) |
|-----------------|---------------------|
| 5-6000          | 30 dB               |
| 6000-12000      | 15 dB               |

### Temperature Range

|                       |                 |
|-----------------------|-----------------|
| Operating Temp Range: | -65°C To +165°C |
|-----------------------|-----------------|

### Mechanical Characteristics

|                           |                                                |
|---------------------------|------------------------------------------------|
| Footprint/Type:           | Coax                                           |
| Connector Interface Type: | BNC                                            |
| Gender:                   | Male - plug                                    |
| Connector Series Name:    | UHD                                            |
| Locking:                  | No                                             |
| Tool Compatibility:       | AP105210 (crimp no diet), AP105243 (mated die) |
| Termination Type:         | Crimp                                          |

|                                          |              |
|------------------------------------------|--------------|
| Termination Front Connection Durability: | ≥ 500 cycles |
|------------------------------------------|--------------|

## Standards

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

## Applicable Environmental and Other Programs

|                                    |        |
|------------------------------------|--------|
| Environmental Space:               | Indoor |
| EU Directive 2011/65/EU (ROHS II): | Yes    |

## Suitability

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

## Plenum/Non-Plenum

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

## History

|                      |                                                |
|----------------------|------------------------------------------------|
| Update and Revision: | Revision Number: 0.8 Revision Date: 02-12-2020 |
|----------------------|------------------------------------------------|

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