



Product: [A4505RHUHD3S01](#)

12GHz, 75 Ohm, Straight Crimp HD-BNC Plug for 4505R Cable



Product Description

12GHz, Series 59 UHD, HD-BNC connector, 3 piece connector suitable for Belden 4505R, 4K UHD Precision Video RG-59 Coax Cable

Technical Specifications

Product Overview

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

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-6000	20 dB
6000-12000	15 dB

Temperature Range

Operating Temperature Range:	-30°C To +85°C
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Mechanical Characteristics

Footprint/Type:	Coax
Connector Interface Type:	BNC
Gender:	Male - plug
Connector Series Name:	UHD
Locking:	No
Tool Compatibility:	AP105210 (crimp no diet), AP105242 (mated die)
Termination Type:	Crimp

Termination Front Connection Durability:	≥ 500 cycles
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Standards

RG Type:	59
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Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU Directive 2011/65/EU (RoHS 2):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Plenum/Non-Plenum

Plenum (Y/N):	No
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History

Update and Revision:	Revision Number: 0.27 Revision Date: 08-16-2023
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