

Composite BNC 75Ω HDTV Connector

GENERAL

- The first lightweight composite HDTV BNC available on the market
- Easy to connect and disconnect from the rear—ideal for high-density and recessed bulkhead applications
- Color-coded boots directly on the connector for easy video signal identification
- Guaranteed frequency up to 6 GHz for studio-quality performance
- 1000 mating cycles minimum for guaranteed durability in the field
- True 75Ω design

HDTV places new demands on maintaining high signal integrity at high data rates, from studio-quality broadcast production to video conferencing equipment, our selection of affordable HDTV BNC connectors offer more bandwidth, more performance, and are easier to use.

Our new technologically advanced high-speed composite BNC 75Ω HDTV connector features an incredible easy-to-use two-piece design that makes it easy to crimp on the cable. This new connector can handle data rates up to 3 Gbps or higher while meeting or exceeding SMPTE 292M and 424M standards. The gold plated center and outer contacts provide outstanding electrical performance with a frequency range of up to 6 GHz, and a low return loss of -32 dB at 3 GHz.

The connector comes in a wide variety of colors for signal cable identification and its special curved interface composite material design with positioning marks makes it easy and fast to connect in high-density and recessed bulkhead applications.

APPLICATIONS

- Broadcast TV stations and studios
- Video routing and production
- Video surveillance equipment
- Video conference equipment



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CHARACTERISTICS

Impedance	75Ω
Frequency	DC up to 6 GHz
VSWR	1.05 @ 3 GHz (Return loss -32 dB)
Mating cycles	1000
Temperature range	-40°C + 85°C

MATERIAL AND PLATING

Parts	Materials	Plating
Coupling Nut	Composite	
Body	Brass	Gold
Outer contact	Brass	Gold
Center contact	Brass	Gold
Insulator	PTFE	



Cable Type	Part Number	Color
Mini RG59 Draka HDTV 0.6/2.8 Argosy Image 360 CAE HDTV HD 0628	R142 079 750	Violet*
	R142 079 751	White*
	R142 079 752	Red
	R142 079 753	Green
	R142 079 754	Yellow*
	R142 079 755	Blue
	R142 079 756	Black
	R142 079 757	Brown*
	R142 079 758	Grey*
	R142 079 759	Orange

*Available upon request.

Cable Type	Part Number	Color
RG59 Draka 0.8/3.7 Belden 1505A CAE HD 08370	R142 079 760	Violet*
	R142 079 761	White*
	R142 079 762	Red
	R142 079 763	Green
	R142 079 764	Yellow*
	R142 079 765	Blue
	R142 079 766	Black
	R142 079 767	Brown*
	R142 079 768	Grey*
	R142 079 769	Orange
RG6 Belden 1694A CAE 10460 Draka 1.0/4.8	R142 079 770	Violet*
	R142 079 771	White*
	R142 079 772	Red
	R142 079 773	Green
	R142 079 774	Yellow*
	R142 079 775	Blue
	R142 079 776	Black
	R142 079 777	Brown*
	R142 079 778	Grey*
	R142 079 779	Orange

SAMPLE AND DEMO KITS

Description	Part Number	Packaging
Sample kit (one piece)	R142 900 730	Single unit
Demo kit (box with five colors)	R142 900 720	Single unit