



## 75 Ω BNC Cable Connector



RB75BF\*



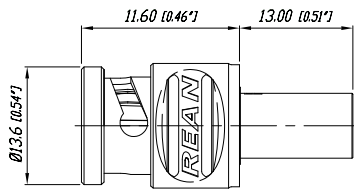
HX-R-BNC



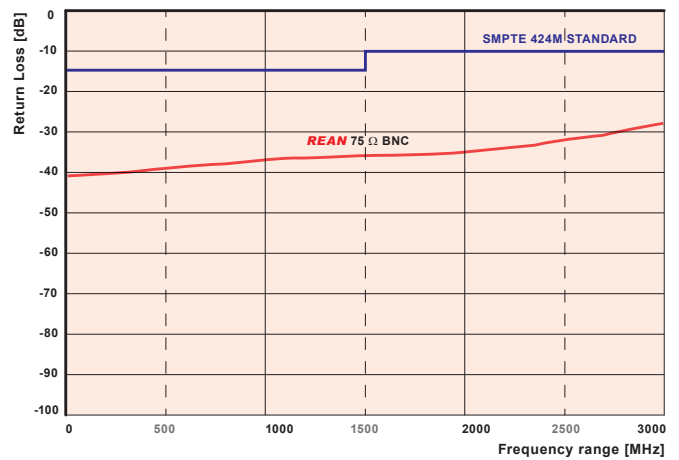
DIE-RB75-\*

- Reinforced guidance – minimizes tilting and provides contacts from deformation
- True 75 Ω design – exceeds the stringent HDTV requirements
- Superior return loss - ensures highest signal quality
- Shield and jacket crimping – no exposed copper braids and strong cable retention
- Gold plated “Snap-In” center Pin – provides a tactile feedback during assembly & avoids push back of center contacts

RB75BF\*



Typical Return Loss:



## Ordering Information

Type No.	Description					
	Pin crimp	Hex crimp	Inner conductor	Insulator	Cable O.D.	Cable Type
RB75BFG7	1.07	5.00	< 0.7	< 3.1	< 4.7	Argosy Image 360; Belden 1855ENH; Canford SDM, SDV, SDV-X, SDV-S-LFH; Cordial CVI 06-28, CVI 3-7; Draka 0.6/2.8 AF, 0.6L/2.8 AF; Extron BNC-5RC; Sommer 600-0101M, 600-0104M; KLOTZ V06/28, VMXx75Y; Nexans HF 75 0.6/2.9 02YS(ST)CH; Fuzion SD-1
RB75BLP7	1.07	6.48	< 0.7	< 3.8	< 6.3	Belden 8241; CAE KX6A; Canare LV-61S; Cordial CVI (CVM) 06-37; CommScope 5563; Draka 0.6/3.7, 0.6L/3.7; RG59B/U; Sommer 600-0051 (M,L,S), 600-0054 (M,L,S), KLOTZ V06/37; Nextans HF 75 0.6/3.7 2YCY; Proel HPC 805
RB75BLP9	1.07	6.48	< 0.9	< 3.8	< 6.3	Argosy Image 720; Belden 1505A (ANH), 8241F; Canare L-4CFB; CommScope 5565; Draka 0.8/3.7 AF, 755-801 (803, 804); Gepco VPM2000; Suhner S0426; Proel HPC 810; Sommer 600-0451, 600-162(F); Van Damme 278 275 / 268 306
RB75BDD6	1.07	4.52	< 0.6	< 2.3	< 4.3	Belden 1855A; CommScope 7538
RB75BTU11	1.07	7.36	< 1.1	< 4.7	< 7.3	Belden 1694A (ANH); CommScope 5765; Gepco VSD2001; Suhner S05163-02, 05133-07; Van Damme 278 175
RB75BYY11	1.07	8.23	< 1.1	< 5.2	< 8.0	Canare L-5CFB

### Assembly Tools

HX-R-BNC	Crimp tool, frame
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### Crimp die & dimensions

Type No.	mm	inch
DIE-RB75-PDG	4.53 / 5.00 / 6.47 / PIN 1.07 (square)	0.178 / 0.197 / 0.255 / PIN 0.042 (square)
DIE-RB75-PU	6.47 / 7.36 / PIN 1.07	0.255 / 0.290 / PIN 0.042 (square)
DIE-RB75-PY	6.47 / 8.23 / PIN 1.07	0.255 / 0.324 / PIN 0.042 (square)

## Specification

### Electrical

Impedance	75 Ω	Dielectric strength	> 1.5 kV dc
Contact resistance - pin	≤ 3 mΩ	Rated voltage	500 V
Contact resistance - shield	≤ 2 mΩ	Return loss	>32 dB up to 1 GHz / >30 dB up to 2 GHz /
Insulation resistance	> 5 GΩ		>26 dB up to 3 GHz

### Mechanical

Lifetime	> 1'000 mating cycles	Locking device	Bayonett
Cable retention - center	> 30 N	Cable anchoring	Jacket crimping
Insertion force	≤ 25 N		

### Material

Center Contact	CuZn35Pb2	Shell (housing)	ZnAl4Cu1, Ni plated
Center Contact plating	0.1 μm Au	Ground Contact	CuSn6, Ni plated
Isolator	PTFE		

### Environment

Standard compliance	IEC 60169-8, MIL 348A	Contact crimpability	complies with IEC60803 and IEC 60352-2
Operating temperature	-30°C to +85°C		