

75 BNC Cable Connector



RB75BF*



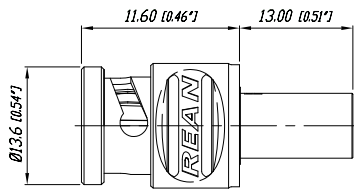
HX-R-BNC



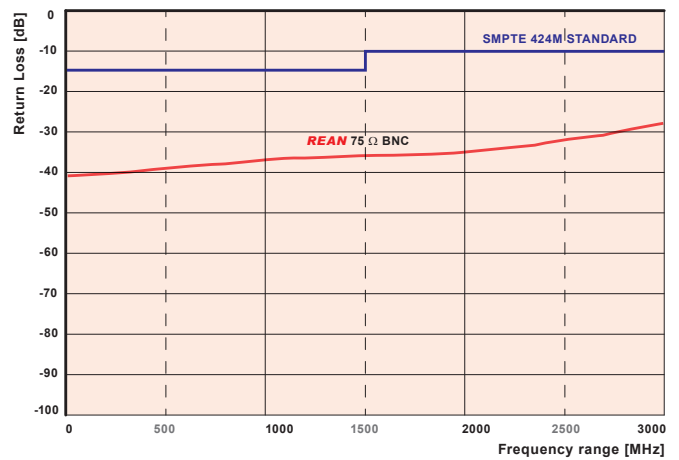
DIE-RB75-*

- 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 |
|----------|-------------------|

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 | | |