



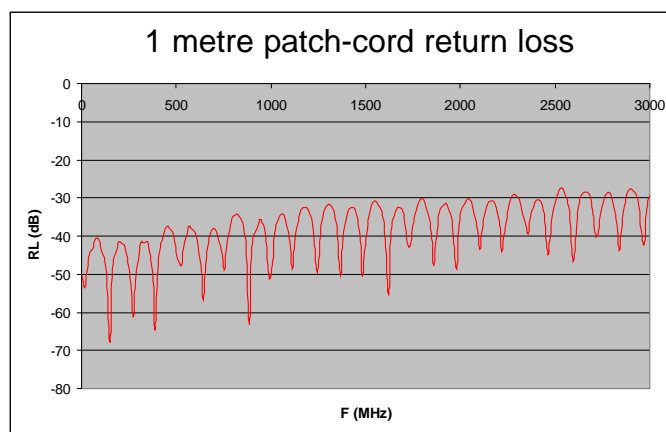
BNC 75 ohms precision connector for Broadcast applications

Warranted up to 3 GHz, SOFIM BNC precision connectors are mainly used in high-definition video signals transmission. It guarantees performance higher than current standard. The SOFIM HD TV connectors can be connected with maximum length of cables.



Electrical performances

- Characteristic impedance : 75 ohms
- Operating frequency : DC - 3 GHz
- Rated voltage : 500 Volts Ac
- Insulation resistance : > 5000 M Ω
- ROS / Return Loss (connector) :
 - < 1.05, > 32 dB up to 2 GHz
 - < 1.08, > 28 dB from 2 GHz to 3 GHz



Materials

| | |
|--------------|------------|
| Coupling nut | Zinc alloy |
| Body | Brass |
| Insulator | PTFE |
| Contact | Brass |
| Ring | Silicone |

Finishing

| | |
|--------------|--------------------|
| Coupling nut | Nickel |
| Body | Nickel |
| Contact | Gold (0.2 μ m) |

Mechanical & environmental characteristics

- Cable/connector retention : > 100 N
- Lifetime : 500 min.
- Assembly mode - crimping (inner contact & shielding)
 - Inner contact : Hex 0.042" (1.07 mm)
 - Shielding : Hex 0.197" (5.00 mm)
- Operating temperature : -35°C to +80°C

Compatible cable types

| | |
|------------------------|--------------|
| Draka multimedia cable | 0.6 / 2.8 AF |
| Belden | I855 ENH |

Part number

| | |
|----------|--|
| 61818 | HDTV BNC precision connector/family 55 |
| M 20 330 | Black boot |

Coloured boots on request : change 0 by 2 = red, 4 = yellow, 5 = green, 6 = blue