

## 12GSDI-B-B DATASHEET

The Laird 12GSDI-B-B series features Canare's L-5.5CUHD flexible coaxial cable and Canare BNC connectors to support reliable 12G-SDI transmission. The L-5.5CUHD is a highly foamed multi-layer cable ideal for reducing attenuation and ensuring low return loss and the Canare BNC connectors feature a gold-plated "Snap Lock" center pin to provide perfect alignment when connected to equipment.

Canare's certified max transmission distance: 12G signals up to 334ft, and 3G up to 528ft. Laird's certified max transmission distance: 12G signals up to 250 ft.

### Features:

- Riser Rated (CMR)
- SMPTE ST-2082-1 Compliant 12G-SDI-4K UHD Capable
- Gold Plated "Snap lock" center pin and beryllium Copper outer contact
- Elongated BNC body design for better grip
- Highly Foamed Multi-layer PE Insulation
- Corrosion Resistant BCP-D55UHD BNC connectors



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### Specifications:

- **AWG:** 16
- **Nominal O.D:** 0.3in (7.7mm)
- **Insulation Type:** Foamed Polyethylene
- **Insulation O.D:** 0.21in (5.5mm)
- **Insulation Thickness:** 0.08in (2.10mm)
- **Inner Conductor:** 0.05in (1.35mm)
- **Outer Conductor 1:** Copper Laminated Tape
- **Outer Conductor 2:** Tinned Annealed Copper Coverage  $\geq 91\%$
- **Outer Conductor:** Copper
- **Outer Conductor Braid:** 0.12TA/8/24
- **Min Bend Radius (Installed):**  $>6$  times of the cable O.D.
- **Min Bend Radius (Flexing):**  $>15$  times of the cable O.D.
- **Nominal Attenuation:**
  - 1.5GHz: 18.6dB/100m 3G-SDI
  - 3.0GHz: 26.8dB/100m 6G-SDI
  - 6.0GHz: 39.1dB/100m 12G-SDI
- **Return Loss:**
  - 26.4dB (0 ~ 3GHz)
  - 20dB (0 ~ 6GHz)
  - 15dB (0 ~ 12GHz)
- **Nominal impedance:** 75 $\Omega$
- **Insulation Resistance:** 5000M $\Omega$
- **Connecting Force:** 200N for L-5.5CUHD
- **Temperature Range:** -4°F to 167°F (-20°C to +75°C)
- **Weight:** 0.04lbs/ft (0.07kg/m)