

## B4694R-BB

## CABLE SERIES

### Laird B4694R-BB 12G-SDI/4K UHD Belden 4694R BNC Cable

The Laird B4694R-BB 12G-SDI/4K UHD single link BNC cable series maximizes 12GHz, 4K UHD signal transmission over a single coax cable while minimizing weight and space and reducing connectivity. The cables terminate with Belden BNC 3-Piece UHD BNC crimp connectors that are optimized for 4K UHD broadcast. The Belden 18AWG precision coax cable features a PVC jacket and a silver-plated copper conductor with gas-injected foamed HD polyethylene insulation. Designed for critical equipment connectivity and signal flow, these sturdy cable assemblies provide secure equipment connections in production trucks, control rooms, and studios. Sends 12G signals up to 257 feet, 6G up to 374 feet, and 3G up to 538 feet. Available in a variety of different lengths and colors.

*\*\* Laird certified lengths are defined as max transmission where signal integrity remains 100% functional without any CRC errors, your 12G-SDI ST 2082 signals may function at or beyond the manufacturer-certified lengths without issues- however when CRC errors are present there could be drops in audio, video, meta and ancillary data. In most circumstances, video integrity remains intact at OEM distance \*\**

### Features:

- Designed for 12GHz, 4K UHD Signal Transmission
- Durable 18AWG, Precision Coax Cable
- High Quality 75Ω Belden Connectors
- Easy Identification with Colored Connector Bands
- Maximize Broadcast Signal Integrity
- Meets: SMPTE ST 2082-1 (12GB/s UHD TV), ST-2801-1 (6GB/s UHD TV), and SMPTE 424M (3 Gb/s HD-SDI 1080P)

### Specifications:

- **Belden 4694R 12G SDI Coax Cable with PVC Jacket:**
  - Belden Certified Max Transmission Distance: 12G signals up to 257 feet, 6G up to 374 feet, and 3G up to 538 feet
  - Laird Certified Max Transmission Distance: 190 Feet for 12G/4K
  - Supports 4K UHD Signal Transmission
  - RG Type: RG-6
  - Cable Insulation: Gas-injected Foam HDPE
  - Min. Bend Radius: 2.75 in (69.9 mm)
  - Conductor: Silver-plated Copper
  - Conductor Size: 18 AWG
  - Outer Shield: Duofoil Bonded to the Core + Tinned Copper Braid Shield
  - Conductor DC Resistance: 20.9984 DCR@20°C (Ohm/1000ft)
  - Outer Shield Resistance: 9.187 DCR@20°C (Ohm/1000ft)
  - Nominal Inductance: 0.347786 MH/ft
  - Nominal Impedance: 75Ω
  - Nominal Capacitance Conductor to Shield: 52.168pF/m
- **Belden 4694RBUHD3 12 GHz BNC Crimp Connector:**
  - Nominal Impedance: 75Ω
  - RG Type: 6
  - Body Material: Brass, Nickel Plated
  - Contact Material: Brass, Gold Plated

