

## 4731R-B-B

# CABLE SERIES

### 4731R-B-B 12G-SDI/4K UHD Belden 4731R Male to Male BNC Cable

The Laird 4731R-B-B Series 12G-SDI/4K UHD BNC cables maximize 12GHz, 4K UHD signal transmission over a single coax cable. The cables terminate with Belden 4731RBUHD3 connectors that are optimized for 4K UHD broadcast. The Belden 14AWG 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. Assembled in the US and available in a variety of lengths. Belden's certified max transmission distance: 383 feet for 12G/4K. Laird's certified max transmission distance: 250 feet for 12G/4K.

*\*\* 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 UHD and 4K Video Transport
- 75Ω SDI Coax RG-11 Cable, 14 AWG Solid Silvered Copper Conductor Cable
- PVC Jacket Terminated with 12G 75Ω BNC Connectors
- Flame Retardant

### Specifications:

- **Belden 4731R Cable**
  - Belden Certified Max Transmission Distance: 383 Feet for 12G/4K
  - Laird Certified Max Transmission Distance: 250 Feet for 12G/4K
  - Operating Temperature Range: -20°C To +75°C
  - Bulk Cable Weight: 87 lbs/1000 ft.
  - Max. Recommended Pulling Tension: 145 lbs.
  - Min. Bend Radius/Minor Axis: 4.0 in.
  - Nom. Characteristic Impedance: 75Ω
  - Nom. Inductance (μH/ft): 0.3 μH/ft
  - Nom. Capacitance Conductor to Shield (pF/ft): 15.6
- **Belden 4731RBUHD3 Connectors**
  - Nominal Characteristic Impedance: 75Ω
  - Footprint/Type: Coax
  - Termination Type: Crimp
  - RG Type: 11/U
  - Type Environmental Space: Indoor SMPTE 2082-1

