

4694R-B-B

CABLE SERIES

RG6 4694R-B-B 12G-SDI/4K UHD Single Link BNC Cable

Laird 4694R-B-B Series 12G-SDI/4K UHD Single Link BNC Cables maximize 12GHz, 4K UHD signal transmission over a single coax cable while minimizing weight and space and reducing connectivity. The cables terminate with Amphenol RF BNC straight crimp plugs 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. Belden's certified max transmission Distance: 12G signals up to 258 feet, 6G up to 375 feet, and 3G up to 540 feet. Laird's certified max transmission distance: 190 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 12GHz, 4K UHD Signal Transmission
- Durable 18AWG, Precision Coax Cable
- High Quality Amphenol Connectors
- Maximize Broadcast Signal Integrity
- Meets: SMPTE ST 2082-1 (12GB/s UHD TV), ST-2801-1 (6GB/s UHD TV), and ST 425.4 (3GB/s UHD TV)



Specifications:

- **Belden 12G SDI Coax Cable with PVC Jacket**
 - Belden Certified Max Transmission Distance: 12G signals up to 258 feet, 6G up to 375 feet, and 3G up to 540 feet
 - Laird Certified Max Transmission Distance: 190 Feet for 12G/4K
 - 4K UHD 18AWG Coax RG 6/U
 - Cable Insulation: Gas-injected Foam HDPE
 - Conductor: Silver-plated Copper
 - 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
- **Amphenol Connectors**
 - Meet SMPTE Standards for 12G-SDI Bayonet Lock
 - Durability: 500 Cycles

