

## HDBNC4855-BF

### CABLE SERIES

#### HDBNC4855-BF High Density HD-BNC Male to Standard BNC Female 12G HD-SDI Cable

Laird HDBNC4855-BF High Density HD-BNC Male to BNC Female 12G HD-SDI Cables for UHD and 4K video transport are designed for 4K UHD cameras, monitors, converters, 12G SDI switchers, and other common 12G SDI products. Amphenol RF's line of BNC and HD-BNC products are optimized for 4K Ultra HD Broadcast, providing crystal clear signal transmission on a single channel. Assembled with high quality Belden 12GSDI coax cable, Laird UHD BNC cables meet the requirements for 12G SDI SMPTE 2082-1 and 2083-1 video formats. Belden's certified max transmission distance: 12G signals up to 149 feet, 6G up to 215 feet, and 3G up to 149 feet. Laird's certified max transmission distance: 117 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
- 12 GHz, 4K UHD Precision 75-Ohm Video Cable
- HD BNC Straight Crimp Connectors Simplify Installations
- Optimized Transmission Distance for UHDTV Transmits up to 149 ft/45m
- Return Loss: Guarantees -15 dB RL from 4.5 to 12GHz
- Meets SMPTE ST-2082-1 and ST-2081-1 Standards

#### Specifications:

- **Belden 12G SDI Mini-RG59 Coax Cable with PVC Jacket**
  - Belden Certified Max Transmission Distance: 12G signals up to 149 feet, 6G up to 215 feet, and 3G up to 149 feet
  - Laird Certified Max Transmission Distance: 117 Feet for 12G/4K
  - Compatible with 12GSDI single link format devices
  - Nominal Impedance: 75Ω
  - Conductor: Silver Plated Copper
  - Insulation: Gas Injected Foam HDPE
  - Outer Shield: Duofoil bonded to the Core + Tinned Copper Braid Shield
  - Conductor DC Resistance: 19.700 DCR@20°C (Ohm/1000ft)
  - Outer Shield Resistance: 3.900 DCR@20°C (Ohm/1000ft)
  - Nominal Inductance: .107 μH/ft
  - Nominal Capacitance Conductor to Shield: 16.3 pF/ft
- **Amphenol Connectors**
  - Meet SMPTE Standards for 12G-SDI
  - Durability: 500 Cycles

