

LCR-RT4855 DATASHEET

The Laird LCR-RT4855 single-link SDI camera cable on a reel for 12GHz, 4K UHD signal transmission terminates with Neutrik rearTWIST UHD BNC connectors. The low-loss Belden 23AWG coax cable features a PVC jacket and a silver-plated copper conductor with gas-injected foamed HD polyethylene insulation. Designed for high resolution camera systems, these sturdy cable assemblies provide extremely secure equipment connections and can be used for most broadcast environments including OB trucks, ENG camera crews, and studios. Sends 12G signals up to 149 feet, 6G up to 215 feet, and 3G up to 310 feet.

Features:

- Meets ST 2081-1 and ST2082-1 Standards
- Durable 23AWG, Precision Coax Cable
- Superior Pull Strength for Secure Connections
- Maximizes Broadcast Signal Integrity
- Transmission Distance: up to 149 feet 12G
- Rugged and Lightweight Reel Features Spool Brake and Neutrik Grounded 4K/8K UHD D-Style Chassis Mount BNC Connector



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Specifications:

Belden 4855R Specifications:

- **RG Type:** Mini 59
- **Conductor AWG:** 23 AWG
- **Conductor Stranding:** Solid
- **Conductor Diameter:** 0.023in
- **Conductor Material:** Silvered Copper
- **Insulation Material:** Polyethylene (Gas Injected Foam)
- **Insulation Diameter:** 0.102in
- **Outer Shield Layer 1 Type:** Tape
- **Outer Shield Layer 1 Material/Coverage:** Tri-Laminate (Alum+Poly+Alum)/100%
- **Outer Shield Layer 2 Type:** Braid
- **Outer shield Layer 2 Material/Coverage:** Tinned Copper/95%
- **Outer Jacket Material:** Polyvinyl Chloride
- **Outer Jacket Diameter:** 0.159in
- **Overall Cable Diameter:** 0.159in
- **Nom. Conductor DCR:** 19.7 Ohm/1000ft
- **Nom. Outer Shield DCR:** 3.8 Ohm/1000ft (12 Ohm/km)
- **Nom. Capacitance Cond-to-Shield:** 16.3 pF/ft (53.5 pF/m)
- **Nom. Characteristic Impedance:** 75 Ohm
- **Nom. Velocity of Prop.:** 82%
- **Return Loss:**
 - 5 - 1600 MHz 23 dB
 - 1600 - 4500 MHz 21 dB
 - 4500 - 12000 MHz 15 dB
- **Min. Bend Radius:** 1.6in

Neutrik Connector Specifications:

- **Contact Resistance:**
 - **Inner:** ≤ 3 mΩ
 - **Outer:** ≤ 2 mΩ
- **Insulation Resistance:** > 5 GΩ
- **Dielectric Strength:** 1.5 kVdc
- **Impedance:** 75Ω
- **VSWR:**
 - ≤1.06 / >30 dB up to 6 GHz
 - ≤1.13 / >24 dB up to 12 GHz
 - ≤1.22 / >20 dB up to 18 Ghz
- **Lifetime:** > 1000 mating cycles