

LAIRD L25CHD-B-BA-XX DATASHEET

Laird's L25CHD-B-BA series of ultra-slim video cables feature super-low-loss Canare L-2.5CHD coax with highly-foamed PE insulation for improved attenuation and tinned copper braid with aluminum foil for excellent shielding. The Canare BNC right angle plug allows crucial space savings in high-density environments. These assemblies support a full range of video formats and are ideal for 12G-SDI distribution where a space-saving, low-profile cable is required.

Features:

- Ideal for 12G-SDI Distribution
- High Quality Canare Components
- Super Low Loss Coax Cable
- Easy Finger Grip Connectors
- Superior Pull Strength
- Cable & Connectors Meet SMPTE 292M & 424M Compliance



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Specifications:

Canare L-2.5CHD

- **Outer Diameter:** 0.30in (7.7mm)
- **Inner Conductor Construction:** 1/0.59A
- **Inner Conductor Outer Diameter:** 0.023in (0.59mm)
- **Inner Conductor Material:** Annealed Copper
- **Inner Conductor AWG:** 23
- **Insulation Outer Diameter:** 0.03in (1.00mm)
- **Insulation Thickness:** 0.10in (2.59mm)
- **Insulation Material:** Foamed Polyethylene
- **Outer Conductor 1 Thickness:** 0.002in (0.06mm)
- **Outer Conductor 1 Outer Diameter:** 0.10in (2.7mm)
- **Outer Conductor 1 Material:** Aluminum Tape
- **Outer Conductor 2 Construction:** 16/ 7/0.12TA
- **Outer conductor 2 Pitch:** ≤ 0.94 in (≤ 24 mm)
- **Outer Conductor 2 Outer Diameter:** 0.12in (3.2mm)
- **Outer Conductor 2 Material/Coverage:** Tinned Annealed Copper/95%
- **Sheath Thickness:** 0.01in (0.5mm)
- **Sheath Material:** Flame Retardant Polyvinyl Chloride
- **Weight:** 0.017lbs/ft (2.6kg/100m)
- **Rated Voltage:** AC 60Vrms
- **Temperature Range:** -4°F to 167°F (-20°C to 75°C)
- **Inner Conductor DC Resistance:** $\leq 66.9\Omega$ /km
- **Outer Conductor DC Resistance:** $\leq 16.9\Omega$ /km
- **Insulation Resistance:** $\geq 1000M\Omega$ -km
- **Characteristic Impedance:** $75\pm 3\Omega$
- **Nom Capacitance:** 54.5nF/km (1kHz)
- **Tensile Strength:** ≥ 13.8 MPa
- **Elongation:** $\geq 150\%$
- **Permission Tension:** ≤ 18 N
- **Bend Radius (Installed):** 1.81in
- **Bend Radius (Flexing):** 4.54in

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Specifications:

Canare Right Angle BNC Connector:

- **Nom. Impedance:** 75Ω unbalanced
- **Insulation Resistance:** 1000Ω or more
- **Contact Resistance between External Contacts:** 3 mΩ or less
- **Contact Resistance between Center Contacts:** 6 mΩ or less
- **Return Loss:**
 - 26.4 dB or more (~3 GHz)
 - 20 dB or more (~6 GHz)
 - 10 dB or more (~12 GHz)
- **Operating Temperature:** -40°F to 248°F (-40°C to 120°C)

Canare BNC Connector:

- **Gender:** Plug
- **Nom. Impedance:** 75Ω unbalanced
- **Insulation Resistance:** 5000MΩ or more
- **Contact Resistance between External Contacts:** 3mΩ or less
- **Contact Resistance between Center Contacts:** 6mΩ or less
- **Return Loss:** 26.4dB or more
- **Operating Temperature:** -40°F to 185°F (-40°C to 85°C)