

## ORNG-120

# Berg Orange Quality Lemo 01 Straight to BNC 6' Cable, RG 174



The ORNG-120 is a high-visibility, 6-foot ultrasonic flaw cable constructed with RG-174 coaxial cable. It features a LEMO 01 straight connector on one end and a BNC male plug on the other, offering seamless compatibility between LEMO-equipped probes and BNC-input flaw detectors or instruments. Built for precision NDT applications, it ensures stable 50-ohm signal transmission and is ideal for indoor labs or on-site inspections. Its bright orange jacket improves safety and cable management.

## Specifications

- Part Number: ORNG-120
- Cable Type: RG-174 Coaxial (50 Ohm)
- Length: 6 feet (about 1.83 meters)
- Color: Orange
- Connector A: LEMO1 Straight Plug
- Connector B: BNC Male Plug

# Features

- **Bright orange outer jacket enhances visibility for improved safety and faster cable identification in busy or low-light environments**
- **Precision-engineered LEMO 1 and BNC connectors ensure a tight, reliable connection and maintain signal integrity throughout testing procedures**
- **Built with high-quality RG174 coaxial cable that supports a stable 50-ohm impedance and minimizes signal degradation across typical working lengths**
- **Flexible and lightweight construction makes the cable easy to manage and ideal for navigating compact or obstructed inspection areas**
- **Rugged strain relief molded at both connector ends helps prevent wear and tear caused by bending, twisting, or frequent movement**
- **Designed for seamless compatibility with a wide range of ultrasonic flaw detectors, probes, and NDT testing systems used in field and lab settings**

# Applications

- **Ultrasonic Flaw Detection Used in non-destructive testing to identify internal defects in metals, composites, and welds without damaging the part being inspected**
- **Thickness Measurement Enables accurate wall thickness readings of pipes, tanks, and structural parts in industrial and field environments**
- **Corrosion Monitoring Connects corrosion testing tools for detecting material loss caused by rust, erosion, or chemical exposure**
- **Aerospace and Automotive Inspection Supports quality control testing on high-precision components during both manufacturing and routine maintenance**
- **Power and Energy Infrastructure Testing Commonly used for evaluating the condition of turbines, power lines, and pipelines to prevent failure or downtime**
- **Education and Training Well-suited for training labs and technical programs that teach ultrasonic testing principles and practices**

