

## ORNG-114-4

# Berg Orange Quality RG174 Ultrasonic Flaw Cable, Lemo 00 Straight to Microdot, 4 ft



The ORNG-114-4 ultrasonic flaw detection cable features a LEMO 00 straight plug on one end and a Microdot plug on the other, offering compatibility with a wide range of NDT equipment. Built with RG-174 coaxial cable, this 4-foot assembly is designed for short-distance, high-precision inspections. Its orange outer jacket provides easy visibility and ruggedness for lab or field use. This cable ensures stable, low-loss signal transmission for ultrasonic flaw detection and thickness gauging.

## Specifications

- **Part Number: ORNG-114-4**
- **Cable Type: RG-174 Coaxial Ultrasonic Cable**
- **Length: 4 feet (1.22 meters)**
- **Color: Orange**
- **Connector A: LEMO 00 Straight Plug**
- **Connector B: Microdot Plug**

# Features

- **LEMO 00 straight to Microdot connectors deliver precise, secure connections between ultrasonic probes and flaw detectors**
- **4-foot length is ideal for short-distance inspections or bench-top testing setups with minimal excess slack**
- **RG-174 coaxial cable provides a reliable, low-attenuation signal path while remaining lightweight and flexible**
- **50-ohm impedance ensures electrical compatibility and consistent signal quality with most ultrasonic testing instruments**
- **Durable orange jacket increases visibility and helps prevent tangling or misplacement in field or lab environments**

# Applications

- **Flaw detection:** Used in ultrasonic testing systems to transmit signals between flaw detectors and Microdot-equipped transducers for identifying cracks, voids, and other material defects.
- **Thickness gauging:** Provides accurate, low-loss signal transfer for measuring material thickness in pipelines, tanks, and structural parts using ultrasonic gauges.
- **Calibration and setup:** Ideal for use with reference blocks during calibration routines or when configuring equipment for accurate and repeatable measurements.
- **Benchtop testing:** Suited for short-length, stationary applications where space is limited, such as in laboratories, QA stations, or controlled testing environments.
- **Precision inspection in aerospace and manufacturing:** Commonly used in industries requiring high-resolution flaw detection and tight signal tolerances for quality assurance.

