

ORNG-114

Berg Orange Quality RG174

Ultrasonic Flaw Cable, Lemo 00 to

Microdot, 6 ft



The ORNG-114 ultrasonic flaw cable is a 6-foot, high-quality RG174 coaxial cable terminated with a LEMO 00 straight connector and a Microdot straight connector.

It is specifically designed for ultrasonic testing applications requiring reliable signal integrity, flexibility, and compact connector profiles. The cable's orange jacket provides visibility in field environments, and the shielded construction ensures minimal signal interference.

Specifications

- **Part Number: ORNG-114**
- **Cable Type: RG174 Coaxial Ultrasonic Flaw Cable**
- **Length: 6 feet (1.83 meters)**
- **Color: Orange**
- **Connector A: LEMO 00 Straight Plug**
- **Connector B: Microdot Straight Plug**

Features

- **Accurate signal transmission** for consistent ultrasonic flaw detection results in both lab and field environments.
- **LEMO 00 to Microdot configuration** ensures compatibility with a wide range of NDT transducers and instrumentation.
- **Flexible RG174 coaxial cable** allows for easy handling and routing, even in compact or hard-to-reach spaces.
- **Bright orange jacket** enhances visibility and safety in cluttered inspection areas or low-light conditions.
- **EMI-resistant braided shielding** helps maintain clean signal quality in electronically noisy environments.
- **Durable factory-installed connectors** provide reliable connections with minimal signal loss over repeated use.

Applications

- **Flaw Detection:** Used to connect ultrasonic flaw detectors with probes to identify cracks, voids, or material discontinuities in metals, plastics, and composites.
- **Thickness Measurement:** Enables accurate material thickness gauging, especially in corrosion monitoring or wear assessment in industrial assets.
- **Aerospace Maintenance:** Supports inspection of critical aircraft structures, such as wing spars and fuselage skins, where precise ultrasonic data is required.
- **Automotive Testing:** Used in the ultrasonic evaluation of weld integrity, bonding quality, and structural soundness in vehicle components.
- **Pipeline Inspection:** Ideal for non-destructive testing of pipes, pressure vessels, and tanks to detect internal corrosion or mechanical damage.
- **R&D and Laboratory Use:** Frequently utilized in research settings for controlled ultrasonic testing experiments requiring consistent and reliable signal performance.

