

ORNG-115

Berg Orange Quality RG174 Ultrasonic Flaw Cable, Lemo-1 to Microdot, 6 ft



The ORNG-115 ultrasonic flaw cable is a high-performance, 6-foot RG174 coaxial cable configured with a LEMO-1 straight connector and a Microdot straight connector. Designed for precision in ultrasonic non-destructive testing (NDT), this cable supports reliable signal transmission with excellent shielding and durability. Its flexible construction and bright orange jacket make it well-suited for lab, field, and industrial inspection environments.

Specifications

- **Part Number: ORNG-115**
- **Cable Type: RG174 Coaxial Ultrasonic Flaw Cable**
- **Length: 6 feet (1.83 meters)**
- **Color: Orange**
- **Connector A: LEMO-1 Straight Plug**
- **Connector B: Microdot Straight Plug**

Features

- **High-performance signal integrity** enables precise ultrasonic flaw detection and accurate measurements across a variety of NDT applications.
- **LEMO-1 to Microdot configuration** supports compatibility with both legacy and modern ultrasonic instruments and probes.
- **Durable orange PVC jacket** improves cable visibility in busy workspaces while offering abrasion resistance for field durability.
- **Flexible RG174 coaxial cable** allows for easy routing through tight spaces and reduces strain during repetitive use.
- **Braided shielding layer** reduces susceptibility to electromagnetic interference, ensuring stable and consistent signal transmission.
- **Factory-terminated precision connectors** deliver strong mechanical attachment, low contact resistance, and long service life.

Applications

- **Flaw Detection:** Used to connect ultrasonic probes to flaw detectors for the identification of internal cracks, inclusions, or discontinuities in materials.
- **Thickness Gauging:** Enables precise measurement of material thickness in metals, plastics, and composites, often in corrosion or wear monitoring.
- **Aerospace Inspection:** Supports high-frequency transducers in inspecting airframe components, turbine parts, and bonded structures.
- **Automotive Testing:** Applied in ultrasonic evaluation of weld quality, casting integrity, and composite components.
- **Pipeline & Structural Monitoring:** Connects sensors used in field inspections of piping, tanks, and structural components for defects or corrosion.
- **Laboratory and R&D:** Ideal for controlled experiments and prototype testing where LEMO-1 to Microdot configuration is required for specialized equipment

