

ORNG-114-12

Berg Orange Quality RG174

Ultrasonic Flaw Cable, Lemo 00 to

Microdot, 12 ft



The ORNG-114-12 is a high-quality, 12-foot ultrasonic cable featuring a LEMO 00 straight plug and a Microdot connector, built for precision flaw detection and thickness gauging. It uses RG-174 coaxial cable for flexibility and consistent signal transmission, with a bright orange jacket for visibility in industrial and lab settings. The extended length supports field inspections or setups that require longer reach while maintaining signal integrity.

Specifications

- **Part Number: ORNG-114-12**
- **Cable Type: RG-174 Coaxial Ultrasonic Cable**
- **Length: 12 feet (3.66 meters)**
- **Color: Orange**
- **Connector A: LEMO 00 Straight Plug**
- **Connector B: Microdot Plug**

Features

- Precision LEMO 00 to Microdot connectors ensure tight, low-loss connections for accurate ultrasonic signal transmission between probes and flaw detectors
- 12-foot extended length is ideal for inspections requiring mobility or longer reach without sacrificing signal clarity or stability
- Flexible RG-174 coaxial cable delivers solid electrical performance while allowing easy routing through confined or complex setups
- Standard 50-ohm impedance offers reliable compatibility with a wide range of ultrasonic thickness gauges and flaw detection systems
- High-visibility orange jacket helps prevent tangling and misplacement in field or lab environments and resists general wear
- Compact and lightweight build makes it easy to handle during repetitive inspections without creating strain on connectors or equipment

Applications

- **Flaw detection:** Used to connect ultrasonic flaw detectors to Microdot-compatible probes for identifying internal discontinuities such as cracks, porosity, or inclusions in metals and composites.
- **Thickness gauging:** Supports accurate ultrasonic thickness measurements of pipes, tanks, structural panels, and other materials in field or lab environments.
- **Field inspections:** The 12-foot length makes this cable ideal for on-site testing where access to test areas is limited or where extra mobility is required.
- **Calibration and verification:** Frequently used with calibration blocks or known standards to ensure the accuracy and repeatability of flaw detection instruments.
- **Aerospace and industrial quality control:** Commonly implemented in industries with strict material testing requirements, where reliable signal integrity and extended reach are essential.

