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ORNG-113

Berg Orange Quality RG174 Ultrasonic Flaw Cable, Lemo 00 to BNC, 6 ft

The ORNG-113 is a high-quality 6-foot ultrasonic flaw detection cable featuring a LEMO 00 straight plug on one end and a BNC straight plug on the other. Constructed with RG-174 coaxial cable, this model delivers reliable signal performance while offering flexibility and ease of use. Its high-visibility orange jacket helps technicians quickly identify the cable in multi-cable environments. Designed for flaw detection and thickness measurement in non-destructive testing (NDT), this cable ensures dependable results in lab and field applications.

Specifications

- **Part Number: ORNG-113**
- **Cable Type: RG-174 Coaxial Ultrasonic Cable**
- **Length: 6 feet (1.83 meters)**
- **Color: Orange**
- **Connector A: LEMO 00 Straight Plug**
- **Connector B: BNC Straight Plug**

Features

- LEMO 00 to BNC connectivity ensures broad compatibility with standard ultrasonic flaw detectors and transducers
- 6-foot length offers a practical balance between maneuverability and reach in both field and lab environments
- Flexible RG-174 coaxial cable construction supports consistent signal transmission with low attenuation
- 50-ohm impedance provides reliable signal integrity for ultrasonic flaw detection and thickness gauging
- High-visibility orange jacket enhances safety and cable management in multi-cable setups
- Durable yet lightweight design suited for repeated use in industrial, aerospace, and energy inspections

Applications

- Flaw detection: Used to connect flaw detectors with BNC inputs to LEMO-equipped transducers for identifying internal cracks, inclusions, and voids in metal, composites, and welds.
- Thickness measurement: Interfaces with ultrasonic gauges to perform precise wall thickness readings in pipelines, tanks, and structural materials.
- Calibration and verification: Suitable for connecting instruments to reference standards or calibration blocks to validate measurement accuracy in lab or field setups.
- Laboratory testing: Ideal for controlled environments where stable, high-quality signal transmission is critical for repeatable ultrasonic testing results.
- Portable NDT inspections: Durable and lightweight for efficient use in field inspections across industries such as aerospace, manufacturing, power generation, and transportation.