

ORNG-118

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



The ORNG-118 is a precision ultrasonic flaw detection cable designed with LEMO 00 straight connectors on both ends and built using RG-174 coaxial cable.

Its 6-foot length makes it ideal for benchtop or portable NDT setups.

The high-visibility orange jacket improves safety and identification in busy testing environments, while the 50 Ω impedance ensures accurate and consistent signal transmission critical for ultrasonic flaw detection applications.

Specifications

- **Part Number: ORNG-118**
- **Cable Type: RG-174 Coaxial Ultrasonic Cable**
- **Length: 6 feet (1.83 meters)**
- **Color: Orange**
- **Connector A: LEMO 00 Straight Plug**
- **Connector B: LEMO 00 Straight Plug**

Features

- **LEMO 00 straight connectors provide secure and reliable connections for ultrasonic flaw detectors and transducers**
- **6-foot length supports flexibility for both field use and benchtop testing without excessive slack**
- **RG-174 coaxial construction offers a good balance of durability, flexibility, and low signal loss**
- **50 Ω impedance ensures compatibility with most standard ultrasonic NDT equipment**
- **High-visibility orange jacket improves safety and cable identification in multi-cable setups**
- **Lightweight and compact design for easy handling and portability in portable NDT applications**

Applications

- **Flaw detection:** Used to connect ultrasonic flaw detectors to LEMO-compatible transducers for locating internal cracks, voids, or inclusions in materials.
- **Thickness measurement:** Supports precise wall thickness evaluation in pipes, tanks, and structural components using ultrasonic gauges.
- **Calibration and verification:** Ideal for use with reference blocks and test standards to validate instrument performance in lab or field environments.
- **Lab-based ultrasonic testing:** Suited for benchtop testing setups where a short, flexible, and highly visible cable improves workspace organization.
- **Portable NDT inspections:** Lightweight construction and durable connectors make it ideal for use in field inspections across aerospace, energy, and industrial sectors.

