

# BERG-115

## Flame Yellow LEMO 00

### Straight to UHF Waterproof 6'



**The BERG-115 is a 6-foot ultrasonic test cable featuring a straight LEMO 00 coaxial connector on one end and a waterproof UHF straight connector on the other.**

**It is designed for precision flaw detection, thickness gauging, and general-purpose ultrasonic nondestructive testing (NDT) applications.**

**Its flame yellow jacket ensures high visibility in field and industrial settings, while its waterproof design supports use in harsh environments, including submerged or wet conditions.**

## Specifications

- **Part Number: BERG-115**
- **Cable Type: Ultrasonic Test Lead**
- **Length: 6 ft (1.83 m)**
- **Color: Flame Yellow**
- **Connector A: LEMO 00 Coaxial Straight Plug (50  $\Omega$ , Male, Push-Pull)**
- **Connector B: UHF Straight Plug (Male, Waterproof, Threaded Coupling)**

# Features

- **Flame yellow color enhances visibility in field environments and improves safety during inspections.**
- **UHF connector includes sealing features suitable for wet or harsh environments (typically rated IP65-IP67 when mated).**
- **Uses RG174-equivalent coax for high flexibility, shielding, and consistent signal transmission.**
- **Quick-connect/disconnect mechanism ensures secure attachment to ultrasonic instruments.**
- **Robust, waterproof screw-on design provides strong connection to compatible ultrasonic probes.**
- **Withstands abrasion, oil exposure, and general industrial conditions.**
- **Built with environmentally safe materials.**

# Applications

- **Ultrasonic Flaw Detection:** Connects flaw detectors to probes for identifying internal cracks, voids, and discontinuities in metals, welds, composites, and other materials.
- **Thickness Gauging:** Used in corrosion monitoring and wall thickness measurements of pipes, tanks, and structural components.
- **Nondestructive Testing (NDT):** Designed for general-purpose ultrasonic NDT in industrial, aerospace, and energy sectors.
- **Field Inspections:** Suitable for outdoor or on-site environments where moisture, oil, or abrasion may be present.
- **Manufacturing Quality Control:** Interfaces ultrasonic equipment in production lines for quality assurance testing.
- **Aerospace and Power Generation:** Performs integrity checks of components where reliability and signal precision are critical.
- **Underwater or Moist Environments:** Waterproof design supports testing in marine, offshore, or submerged applications (when fully mated/sealed).

