BERG ENGINEERING
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BERG-121
Flame Yellow BNC to Right Angle MD, RG-174 50'ft (Feet) Ultrasonic Cable

The BERG-121 is a 50-foot flame yellow ultrasonic cable designed for long-distance ultrasonic signal transmission in NDT applications. It features a BNC straight connector on one end and a Microdot (MD) right-angle connector on the other, allowing connection between flaw detectors and compact ultrasonic transducers in hard-to-reach or angled positions. The use of RG-174 coaxial cable provides flexibility and signal integrity over extended distances, while the bright jacket enhances visibility for safe deployment in the field or lab.

Specifications

- **Part Number: BERG-121**
- **Cable Type: RG-174 Coaxial Ultrasonic Cable**
- **Length: 50 feet (15.24 meters)**
- **Color: Flame Yellow**
- **Connector A: BNC Straight Plug**
- **Connector B: Microdot (MD) Right-Angle Plug**

Features

- 50 ft length supports extended-distance ultrasonic testing setups
- BNC to right-angle MD configuration for compatibility and compact routing
- RG-174 coaxial cable ensures low signal loss and stable 50 Ω impedance
- Flame yellow jacket improves safety and cable identification
- Double shielding reduces electromagnetic interference (EMI)
- Flexible and durable for repeated use in portable NDT environments

Applications

- Ultrasonic Flaw Detection: Used to detect internal defects such as cracks, voids, and inclusions in welds, metals, and composites over extended distances.
- Thickness Gauging in Remote Areas: Ideal for measuring wall thickness in hard-to-access locations where long cable reach is needed.
- Calibration of Ultrasonic Equipment: Connects flaw detectors to calibration blocks in lab or field environments for velocity and timing adjustments.
- Large-Scale Field Inspections: Enables inspections of tanks, pipelines, pressure vessels, and large structural components without repositioning equipment.
- Portable and Mobile NDT Systems: Suitable for use with handheld instruments in inspection scenarios requiring flexible routing and long reach.
- Aerospace and Industrial Testing: Commonly used for testing aircraft components, power systems, and large manufactured parts where long cable runs are essential.