

INTRODUCING

RAYCHEM INSTALITE LIGHTWEIGHT BRAID SYSTEM

- Help reduce product weight up to 50%
- Protect application across a wide EMI spectrum



TE Connectivity (TE) introduces the Raychem INSTALITE lightweight braid system, offering up to 50% weight savings over traditional copper braids. INSTALITE lightweight braids have excellent electrical shielding performance over a wide frequency range. Made from a high-performance nickel-plated copper alloy, the RoHS-compliant pull-on braid is supplied on a tubular former for easy installation onto various substrates. Available in diameters from 3 mm to 20 mm, INSTALITE braids are more flexible than traditional metal braids providing an easy transition from traditional braid systems.

BENEFITS

- Help reduce product weight with high-performance nickel-plated copper alloy that is up to 50% lighter than traditional copper braids
- Protect application across a wide EMI spectrum including lightning protection and high frequency screening
- Help ease installation with standard termination methods and tooling
- Enable design flexibility with product specifications available in diameters from 3mm to 20 mm
- Improve flexibility of cabling with the unique INSTALITE product design

APPLICATIONS

- Military harnesses
- Commercial aerospace
- Unmanned vehicles
- Space

ELECTRICAL

- Lightning Test: Waveform 5B, 21 kA

MATERIALS

- Braid: Copper alloy, tin or nickel plated
- Tubular Former: Plastic

MECHANICAL

- Temperature Range:
 - Tin Plated (LWB-101-xx): from -65°C to 150°C
 - Nickel Plated: (LWB-103-xx): from -65°C to 200°C
- Salt Spray: ASTM B117
- Flex Endurance: 1000 cycles min., SAE AS4373 method 704 (180-degree bend)

STANDARDS & SPECIFICATIONS

- RoHS Compliant
- Product Specification: WSD2516
- Packaging: 50 and 100-meter lengths available

LEARN MORE

[INSTALITE Lightweight Braid Quick Reference Guide](#)

[INSTALITE Lightweight Braid Press Release](#)

[Electronic Warfare Interconnection Solutions Guide](#)

[INSTALITE Lightweight Braid Video](#)

[Download Parts List](#)

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