LWB-101-3.0 to LWB-103-20.0, Light Weight EMI Shielding

Offering up to 50% weight savings over traditional copper braids, INSTALITE lightweight braid has 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 former for easy installation onto various substrates. INSTALITE braid is more flexible than standard industry metal braids, making it very user friendly to work with.

Product facts of Roundit EMI FMJ

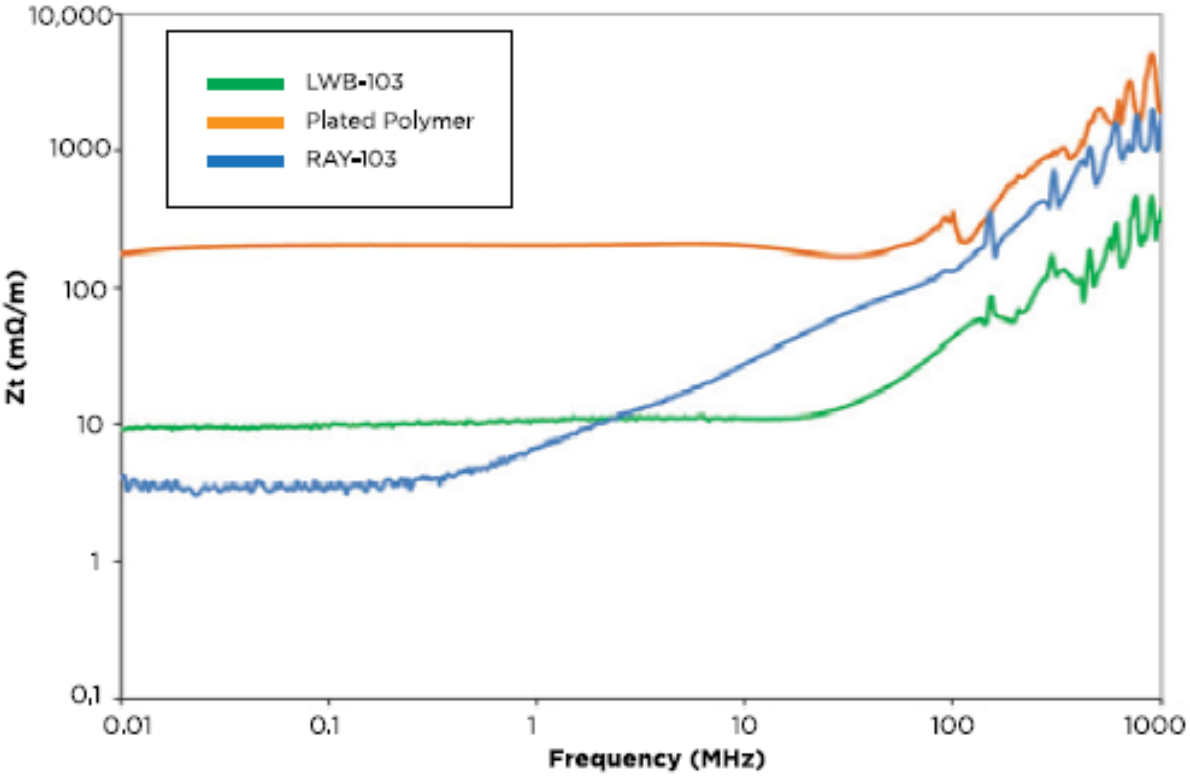
- Lightweight, Up to 50% lighter thant traditionl braid
- Lightning protection
- Easy to install
- For Military, Aerospace and Space application
- Excellent electrical shielding performance
- Temperature Range: tin plated: -65°C to +150°C / nickel plated: -65°C to +200°C

LWB versus Standard Braid (10 mm Braid)

		LWB	Standard Braid
DC Resistance	(mΩ/m)	9	3.50
Strand Tensile Strength	(N/mm²)	758	220.00
Strand Break Strength	(N)	15.2	11.14
Weight	(Kg/Km)	28	60.00

Dimensions in mm

Part Number		Diameter mm		Weight
Tin plated	Nickel plated	From	To	Kg / Km
LWB-101-3.0	LWB-103-3.0	3.00	4.50	8.50
LWB-101-6.0	LWB-103-6.0	4.50	8.00	15.50
LWB-101-10.0	LWB-103-10.0	8.00	15.00	28.00
LWB-101-20.0	LWB-103-20.0	15.00	25.00	45.00



Braids are 10-mm OD
RAY-103 = Traditional braid (control)
LWB-103 lightweight braid = 50% weight savings
Plated fibers = 80% weight savings; 100x worse surface transfer impedance up to 10 MHz