**Features:**

Performance: Parlex EMI-Flex™ conformal coating meets IEC standards and provides excellent adhesion to polyesters, polyimides and other laminates.

Flexibility: Bendable into any configuration. High flexibility rating of 10 million flex cycles on a 1" radius.

Insulation: The Parlex EMI-Flex™ shielding is insulated with a coating of polyurethane that meets MIL-1I-46058C specifications. Other insulating materials are available.

Grounding: Parlex EMI-Flex™ coatings can be applied to either side of the circuit providing up to 360° of shielding protection. Grounding to the outside conductors of the cable is the standard method. Selective grounding to other conductors is optional.

Performance Curves:
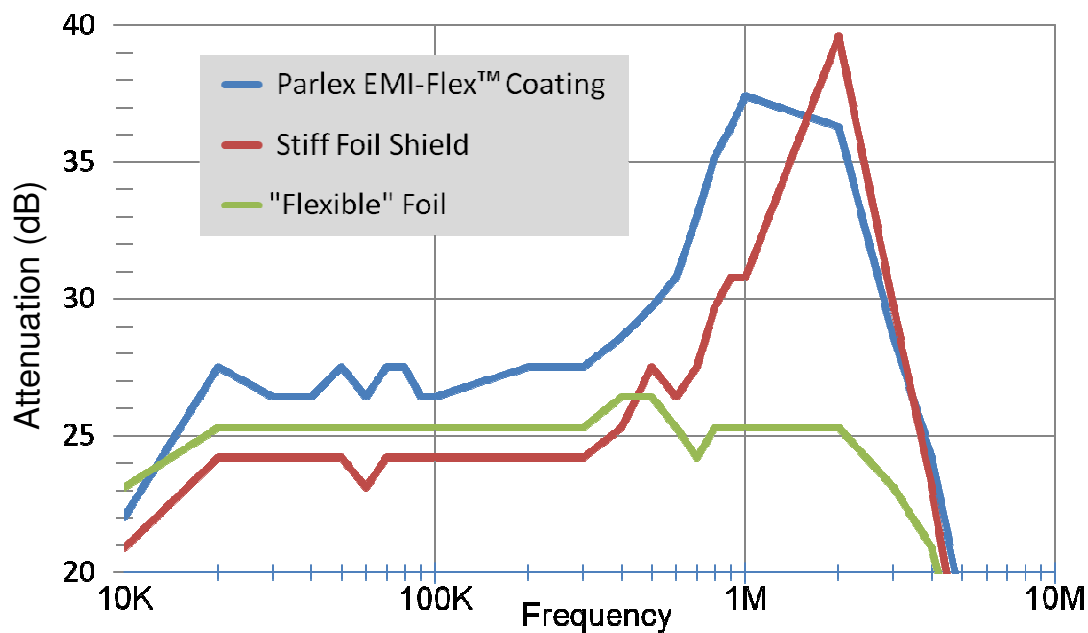
Testing performed by independent third party certified testing facility using standard Parlex cables treated with Parlex EMI-Flex™ coating and competitive offerings (June 2012).

Characteristics:

Parlex EMI-Flex™ shielding provides a thin, highly flexible shield that can be applied by spray or screen to a cable or flexible circuit, or almost any other surface that requires flexible shielding and can be grounded directly to any conductor or combination of conductors. The Parlex EMI-Flex™ shielding process utilizes silver conductive ink that is a highly effective shield and meets EMI / RFI requirements of today's complex designs.

Specifications, Performance:

Shield Thickness	0.001" (reference)
Shield Insulation	0.0005" (reference)
Surface Resistance	<0.05 ohms per sq.in.
Volume Resistivity	0.0001 ohms/cm
Color	Silver/Grey
Temperature Range	-50°C to 200°C
Thermal Stability	Good to 325°C
Solvent Resistance	Excellent
Hydrolytic Stability	Excellent
Crease Resistance	Excellent
Sheet Resistivity	0.019 (Ω/Sq./Mils)
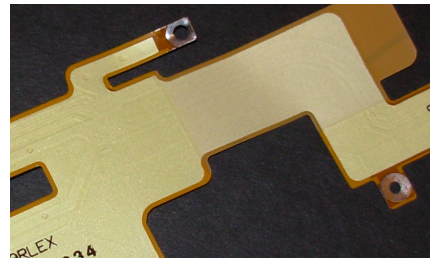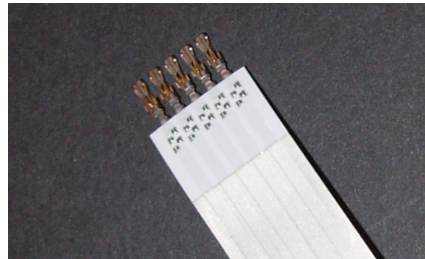
Flexibility	Tested to be flexible over millions of cycle repetitions, supports turns
Thickness / Weight	0.0005" to 0.001" thickness standard plus 0.0005" coating, up to 50% lighter than foils
Filling Gaps	360° coverage is an option.

Application Examples:

Critical care, surgical, and cardiac monitoring devices, infusion and respiratory pumping devices, handheld analyzers and other wireless near patient devices, home healthcare monitors.