



TECHNICAL BULLETIN NUMBER 205



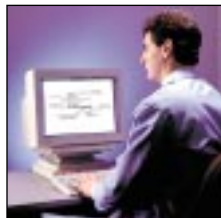
SHIELDING TAPE

CUSTOM-ENGINEERED SHIELDING PRODUCTS

METEX has been a pioneer in EMI/RFI gasketing and shielding products for more than five decades. In fact, METEX developed the very first EMI/RFI gasket to help MIT solve a severe interference problem for the earliest high-power, high-frequency airborne radar.

That pioneering spirit is still alive today—with a complete line of military and commercial-grade EMI/RFI shielding solutions.

As communications and information technologies expand, the need to provide EMI/RFI solutions becomes more critical than ever before.



Complete support—
from technical review to
design and application
assistance



World-class EMI/RFI
manufacturing capabilities

Conductive fabric shielding tape offers excellent conductivity, strong adhesion and durability in a thin, lightweight and flexible shielding design.

Constructed of nickel over copper metalized fabric with acrylic conductive adhesive, this high-quality tape design provides excellent shielding effectiveness while offering superior abrasion and corrosion resistance.

Tapes are an economical shielding solution for a wide variety of commercial applications, and roll forms provide a low impedance connection between a braided cable shield and the metal connector backshell in molded cables. An effective shielded assembly can be achieved without soldering tape to the braid or backshell.

Shielding tapes are available in roll form in various widths, die-cut or kiss-cut formats.

Specifications

Product Number	Base Fabric	Adhesive	Flame Retardant Coating	Max. Width (in.)	Thickness (in.)	Strength of Adhesion (gr/25mm)	Surface Resistance (Ω /sq. inch)
709-2102	709-21 Ripstop	Conductive Acrylic	No	39.0	.005	1000	.05~.08
709-2122	709-21 Ripstop	Conductive Acrylic	Yes	39.0	.005	1000	.05~.08
709-3102	709-31 Taffeta	Conductive Acrylic	No	39.0	.005	1000	.05~.08
709-3122	709-31 Taffeta	Conductive Acrylic	Yes	39.0	.005	1000	.05~.08

Notes:

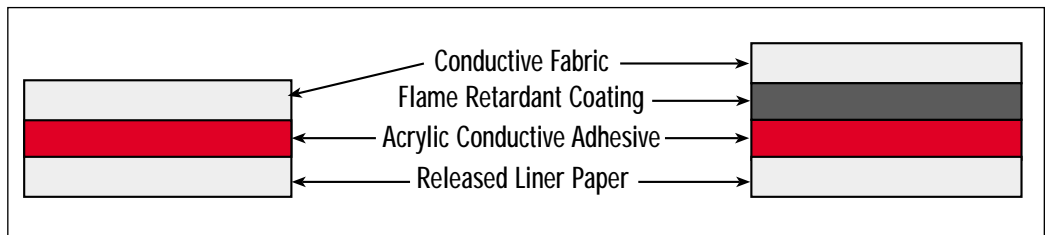
709-2122 and 709-3122 meet UL-510 (Insulating and Flame Retardant Tapes).

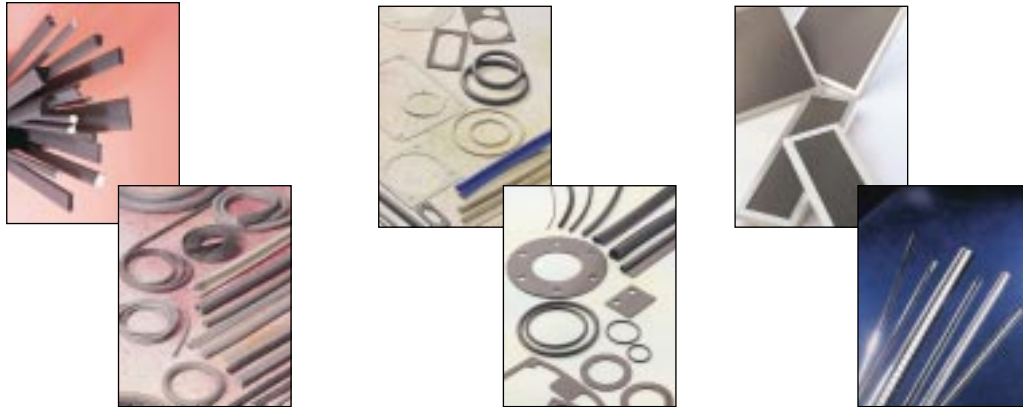
Any width can be slit to meet any customer requirement.

Tapes are available with non-conductive adhesive.

To discuss your specific requirements, please contact Metex Shielding Sales Engineering at 732-287-0800.

Structure





Metex Electronic Shielding Products

The diversity and versatility of our product line enables Metex to offer a wide range of custom solutions to optimize shielding effectiveness. We provide both off-the-shelf and custom designs in commercial and military-grade materials to ensure EMC integrity and quality. From prototype to volume production, our product line includes:

- Knitted Wire Mesh
- Vent Panels/Mesh Screens
- Spring Fingers
- Conductive Fabric
- Oriented Wire
- Braided Sleeving
- Shielded Windows, Instrumentation and Rooms
- Conductive Silicone Adhesive
- Shielding Tape/Foil Laminates
- Fabric Over Foam Gaskets
- Connector Gaskets
- Braided Rope
- Wire Mesh Gaskets

Our **Shielding Tape** continues a long-standing Metex tradition of integrating the right designs, materials and production methods to meet customer needs for optimal performance at the lowest possible cost.



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