



CONDUCTIVE FABRIC

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.

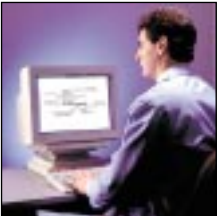
We offer a large variety of polyester woven, non-woven and mesh conductive fabric with copper, nickel and copper and nickel plated. These have been developed with lightweight fabric and special finished coating to meet a diverse range of EMI/RFI shielding requirements.

Metex conductive fabric provides excellent shielding effectiveness and surface conductivity, which easily can be designed to make any kinds of shape and profiles for architectural and die-cut requirements. Metex conductive fabric offers:

- Excellent electric conductivity and electromagnetic shielding effectiveness
- Good abrasion resistance
- Flame retardant coating to comply with UL94VTM and VTM-O
- Thermal adhesive coating to apply for wrapping foam and related materials
- Good flexibility to apply for making conductive tape

Specifications

| Product No. | Type | Material Base | Material Metal | Width (inch) | Thickness (mm) | Weight (gr/m ²) | Surface (Ω/sq.in.) | EMI Effectiveness 30 mhz~1Ghz (db) |
|-------------|-----------|---------------|----------------|--------------|----------------|-----------------------------|--------------------|------------------------------------|
| 709-33AB | Taffeta | Polyester | Copper | 41 | 0.11 | 67 | 0.05~0.08 | 68~88 |
| 709-32AB | Taffeta | Polyester | Nickel | 41 | 0.11 | 67 | 0.05~0.08 | 68~88 |
| 709-31AB | Taffeta | Polyester | Cu+Ni | 41 | 0.11 | 67 | 0.05~0.08 | 68~88 |
| 709-43AB | Tafetta | Polyester | Copper | 41 | 0.12 | 68 | 0.05~0.08 | 68~88 |
| 709-42AB | Tafetta | Polyester | Nickel | 41 | 0.12 | 68 | 0.05~0.08 | 68~88 |
| 709-41AB | Tafetta | Polyester | Cu+Ni | 41 | 0.12 | 68 | 0.05~0.08 | 68~88 |
| 709-23AB | Ripstop | Polyester | Copper | 41 | 0.12 | 68 | 0.05~0.08 | 68~88 |
| 709-22AB | Ripstop | Polyester | Nickel | 41 | 0.12 | 68 | 0.05~0.08 | 68~88 |
| 709-21AB | Ripstop | Polyester | Cu+Ni | 41 | 0.12 | 68 | 0.05~0.08 | 68~88 |
| 709-5300 | Non-woven | Polyester | Copper | 39 | 0.10 | 20 | 0.06~0.10 | 60~85 |
| 7095200 | Non-woven | Polyester | Nickel | 39 | 0.10 | 20 | 0.06~0.10 | 60~85 |
| 7095100 | Non-woven | Polyester | Cu+Ni | 39 | 0.10 | 20 | 0.06~0.10 | 60~85 |
| 709-6300 | Mesh | Polyester | Copper | 44 | .09 | 24 | 0.15~0.20 | 48~55 |
| 709-6200 | Mesh | Polyester | Nickel | 44 | .09 | 24 | 0.15~0.20 | 48~55 |
| 709-6100 | Mesh | Polyester | Cu+Ni | 44 | .09 | 24 | 0.15~0.20 | 48~55 |



Complete support— from technical review to design and application assistance



World-class EMI/RFI manufacturing capabilities

- A = 0 - No Coating
 = 1 - Protective Conductive Coating
 = 2 - Flame Retardant Coating
 = 3 - Both Flame Retardant and Protective Conductive Coating

- B = 0 - No Adhesive
 = 1 - Thermal Adhesive





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 **Conductive Fabric** 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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