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**CONDUCTIVE
FABRIC.**



GENERAL INFORMATION

Euro Technologies offers a large variety of polyester woven, non-woven and mesh shielding conductive fabric with copper, nickel, and copper and nickel plated.

These have been developed with a lightweight fabric and special finished coating to meet a diverse range of EMI/RFI shielding requirements.

Whether used as an architectural shielding product to shield complete rooms, or as the shielding material in EMI gaskets, tapes and shield laminates, our fabrics provide a highly effective shielding system that is cost-effective and easily applied.

Maximum size availability: reel 1.37 meter width.

Customizations



FEATURES AND BENEFITS

- Shielding effectiveness up to 100 dB.
- Excellent conductivity.
- Good abrasion resistance.
- Excellent in flexibility and bending durability.
- UL94 V0 flame retardant rating available.
- Custom die-cut versions available.

PRODUCTS DATA SUMMARY

	Product No.	Nominal Thickness (mm)	Surface Resistivity (Ohms/square) (ASTM F390)
Ni/Cu Polyester non-woven	ZFTT-CuNi	0.4	< 0.07
Ni/Cu Polyester Taffeta UL94 V0	ZFTT-CuNi-FR	0.2	< 0.07
Ni/Cu Nylon Ripstop	ZFTR-CuNi	0.1	< 0.07
Ni/Cu Nylon Ripstop UL94 V0	ZFTR-CuNi-FR	0.2	< 0.07
Ni/Cu Polyester Ripstop	ZFTR-Cu	0.2	< 0.10

Metallized fabric combines highly conductive metal with lightweight to match a diverse range of EMI/RFI shielding requirements. **Conductive Fabric** is available in various woven and non-woven substrate configurations.

Whether used as an architectural shielding product to shield complete rooms, or as the shielding material in EMI gasket, tapes, and shield laminates, **Euro Technologies** fabrics provide a highly effective shielding system that is cost-effective and easily applied.

Euro Technologies uses a complex technology for applying thin metal coatings of copper or nickel to woven and non-woven fabrics. As a result, our metallized materials have the flexibility, conformability and breathability of a fabric with the electrical properties of a metal. This means low surface and through resistivity and excellent shielding effectiveness.

Code	Material	Thickness (mm)
ZFTR-CUNI	Ni/Cu Ripstop	0.1
ZFTT-CUNI-FR	Ni/Cu Polyester Taffeta UL94 V0	0.2
ZFTR-CUNI-FR	Ni/Cu Nylon Ripstop UL94V0	0.2
ZFTR-CU	Cu Polyester Ripstop	0.2
ZFTT-CUNI	Cu Polyester	0.4

Shielding at 100MHz/1GHz (dB) (Mil-Std 285)	Tensile Strength CD/MD4 (lb/in) (ASTM D5035)	Air Flow (ft3/min/ft)	Weight (oz/yd ²) (LT 500)	Max. Short Duration Temperature (°C)
105 / 90	7.5 / 18.5	690	1.8 - 3.0	210
80 / 70	50 / 75	N.A.	Nominal Value: 8	100
85 / 75	52 / 56	97	2.2 - 2.6	200
85 / 75	52 / 56	N.A.	5.5 - 7.0	100
90 / 80	60 / 65	68	2.0 - 2.7	210

ORDERING INFORMATION

ZFT - **T** - **CUNI** - **FR**

- ZFT** Product Family
- T** T = Taffetta / R = Ripstop
- CUNI** CU = Copper / Ni = Nickel
- FR** Flame Retardant