

**Conductive Metallised Fabric****MF Series**

MF Shielding is a range of highly conductive metallised fabrics. They consist of a base material of nylon coated with nickel/copper. The fabrics have excellent conductivity in all directions and exhibit excellent EMI shielding effectiveness. They are very flexible and are ideal for wrapping around core material or for die stamping.

The fabric has good abrasion resistance (ASTM-D4966) of in excess of 500,000 cycles and is fire retardant to UL94 V0 reference E255577.

Various adhesive options are available, including a hot melt pressure sensitive adhesive on one side, or it can be supplied without adhesive.

	<b>PF31B (Plain)</b>	<b>NF32B (Ripstop)</b>
Material	PET Cu/Ni	Nylon/PET/Cu-Ni
Thickness (mm)	0.17mm +/-0.03mm	0.12mm +/-0.02mm
Width (mm)	600mm/700mm	1450mm +/-5
Surface Resistivity ASTM-F390	$\leq 0.05 \Omega/\text{cm}^2$	$\leq 0.05 \Omega/\text{cm}^2$
Temperature Range	-40°C to +85°C	

### Shielding Effectiveness (ASTM-D4935-99)

Frequency	Attenuation dB PF31B (Plain)	Attenuation dB NF32B (Ripstop)
<b>10MHz</b>	82	82
<b>3GHz</b>	72	68

