

## Polyurethane Cored Metweave **MW**



### Description

Metweave is a lamination of conductive fabric around closed cell polyurethane. The overall dimensions can be tailored to suit customer specifications.

- Easily trimmed to size
- Self-terminating
- Excellent dust and moisture protection
- Rip stop fabric
- Low closure force needed
- Variety of profiles available

Individual material specifications are as below.

### PU Closed Cell Sponge

|                   |                            |
|-------------------|----------------------------|
| Temperature Range | -40°C to +100°C            |
| Density           | 45kg/m <sup>3</sup>        |
| Compression Set   | <10% typical               |
| Flammability      | Flame Retardant to UL94-V0 |

### MW Series Conductive Fabric

|                     |  |
|---------------------|--|
| Material            | Nylon / PET / Nickel / Copper fabric                 |
| Self-Adhesive Tape  | Conductive double sided acrylic carrier and adhesive |
| Temperature Range   | -40°C to +70°C typical                               |
| Abrasion Resistance | No degradation after 10,000 cycles                   |
| Flammability        | Flame Retardant to UL94-V0<br>E-ticket E255577       |
| Surface Resistivity | <0.05 Ω  |
| Colour              | Mid grey   |
| Method of Supply    | Fabricated gaskets / Cut lengths (maximum 2m)        |

### Shielding Effectiveness dB (Mil Std 285)

| Frequency | Attenuation |
|-----------|-------------|
| 30MHz     | 90          |
| 100MHz    | >100        |
| 500MHz    | >100        |
| 1GHz      | >100        |
| 10GHz     | 110         |