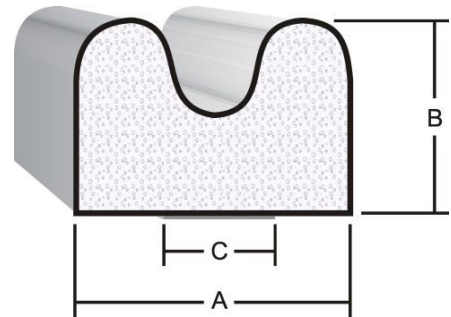


**M-shape profiles** have a polyurethan foam core which is covered with a conductive copper-nickel (CuNi) coated fabric. The gaskets are fitted with a non-conductive adhesive tape as standard.

The material can be cut to the required length or modified to individual needs. Customized dimensions can be supplied at low cost.

Fabric over foam gaskets are also available in a halogen free version.

- Excellent shielding effectiveness
- Polyurethan foam core; standard hardness: 45 kg/m<sup>3</sup>
- Optionally available with adhesive tape with removal aid (WRL)
- Optionally available with multiple parts on carrier sheet (STP)
- Other dimensions on request
- Also available in a halogen free version



## PRODUCT SPECIFICATIONS

| PROPERTY                   | VALUE / TOLERANCE                 | TEST METHOD    |
|----------------------------|-----------------------------------|----------------|
| Basic material             | Polyurethan foam core             | -              |
| Fabric                     | Conductive fabric (CuNi coated)   | -              |
| Width (A)                  | 12,7 mm                           | -              |
| Thickness (B)              | 9,5 mm                            | -              |
| Standard length (L)        | 2.000 mm                          | -              |
| Hardness value of foam     | 32, 45, 70, 150 kg/m <sup>3</sup> | -              |
| Surface resistance         | <0,03 Ω/□                         | -              |
| Shielding effectiveness    | 80 – 90 dB @ 100 MHz - 18 GHz     | ASTM D-4935-89 |
| Adhesive tape              | Non-conductive, conductive        | -              |
| Width of adhesive tape (C) | 5,0 mm                            | -              |
| Flammability rating        | V-0                               | UL 94          |
| Temperature range          | -25 – 80 °C                       | -              |
| Storage temperature        | 20 °C                             | -              |
| Storage humidity           | App. 50% rH; non-condensing       | -              |
| Shelf life                 | 1 year                            | -              |
| Guarantee                  | 6 months                          | -              |

## BUILDING AN ITEM NUMBER

**DMP-WxT XX-YY VO-L-ZZZZ**

M-Shape Profile

|    |            |
|----|------------|
| xx | Width (mm) |
|----|------------|

|    |                |
|----|----------------|
| xx | Thickness (mm) |
|----|----------------|

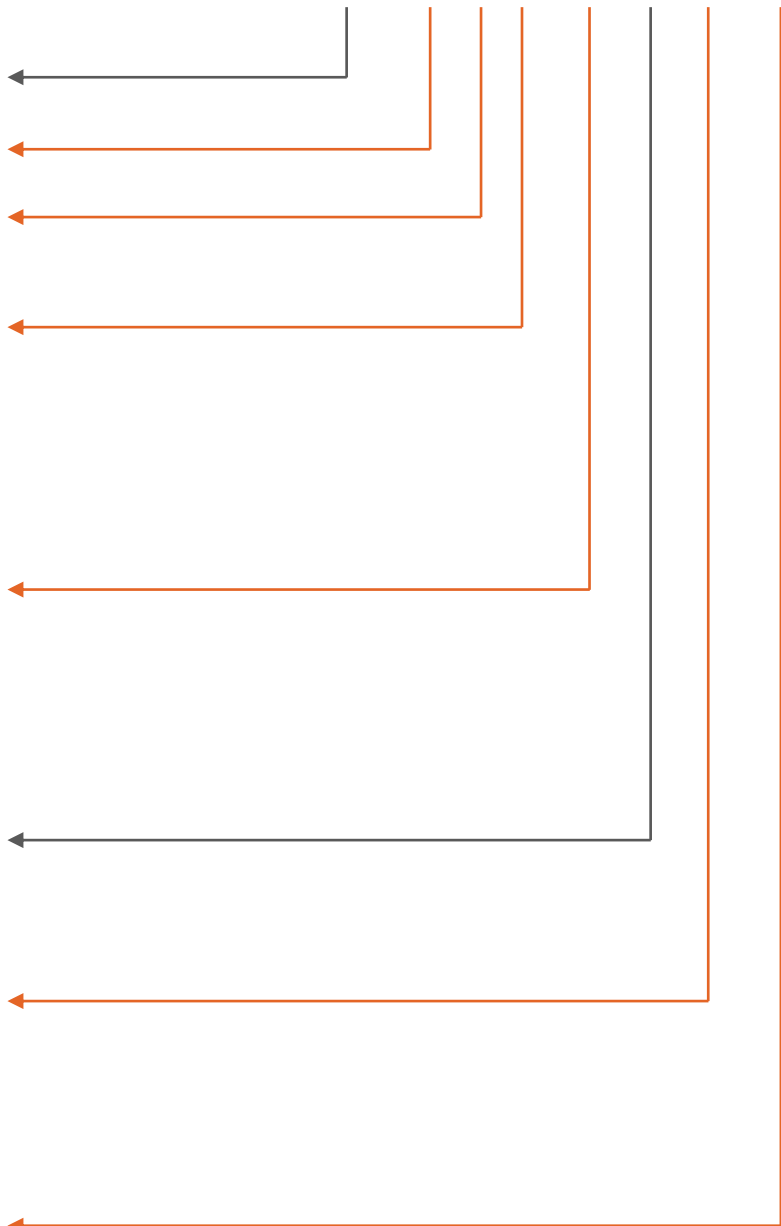
|      |                                   |
|------|-----------------------------------|
| NI   | Fabric, CuNI coated               |
| NIHF | Fabric, CuNI coated, halogen free |

|      |  |
|------|--|
| Nxx  | Non-conductive adhesive (mm)             |
| NSxx | Non-conductive adhesive (mm) halogenfree |
| Cxx  | Conductive aluminium adhesive (mm)       |
| CTxx | Conductive textile adhesive (mm)         |
| XX   | No adhesive tape                         |

Flammability rating

|        |                         |
|--------|-------------------------|
| xxxx   | Length (mm)             |
| Rxx    | On roll (mm)            |
| STPxxx | Sheet Type Package (mm) |
| WRLxxx | Wide Release Liner (mm) |

|       |                               |
|-------|-------------------------------|
| PU32  | PU foam 32 kg/m <sup>3</sup>  |
| PU70  | PU foam 70 kg/m <sup>3</sup>  |
| PU150 | PU foam 150 kg/m <sup>3</sup> |



### Standard options

#### EXAMPLE

**DMP-12,7x9,5NI-C5V0-2000-PU70**

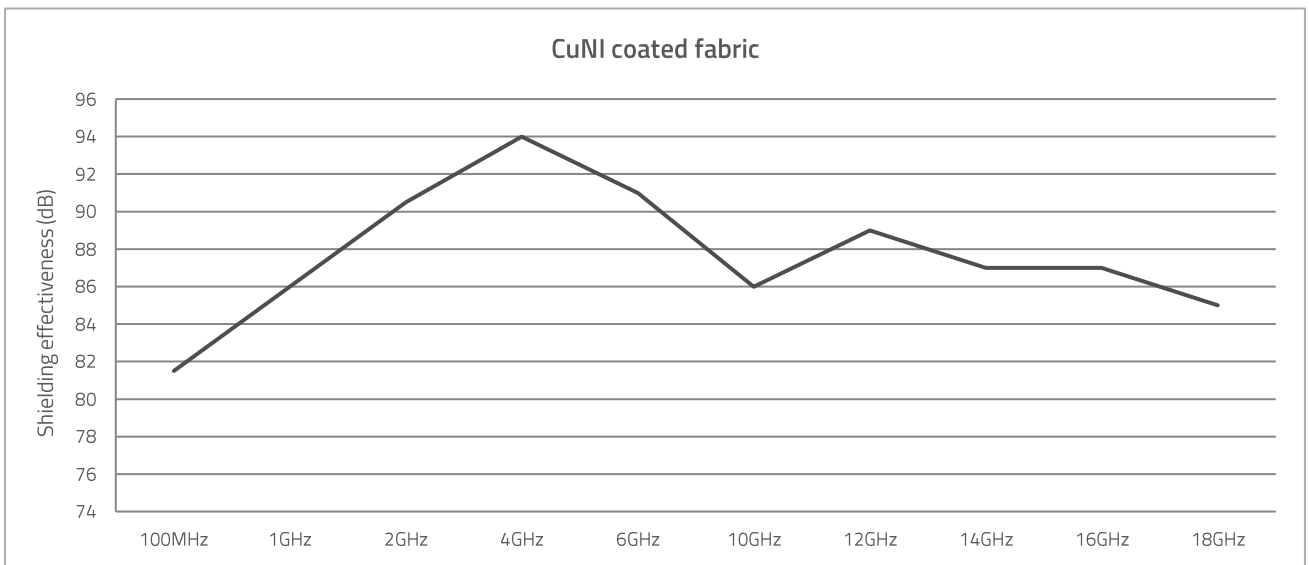
M-shape profile; width: 12,7 mm; thickness: 9,5 mm; fabric, nickel coated; conductive adhesive: 5,0 mm; UL 94 V-0; length: 2.000 mm; PU foam 70 kg/m<sup>3</sup>

## TOLERANCES

| WIDTH AND HEIGHT (mm) | TOLERANCE (mm) |
|-----------------------|----------------|
| 0,5 – 6,3             | ± 0,5          |
| 6,4 – 10,0            | ± 0,7          |
| 10,1 – 16,0           | ± 0,8          |
| 16,1 – 25,0           | ± 1,0          |
| 25,1 – 40,0           | ± 1,3          |
| 40,1 – 63,0           | ± 1,6          |

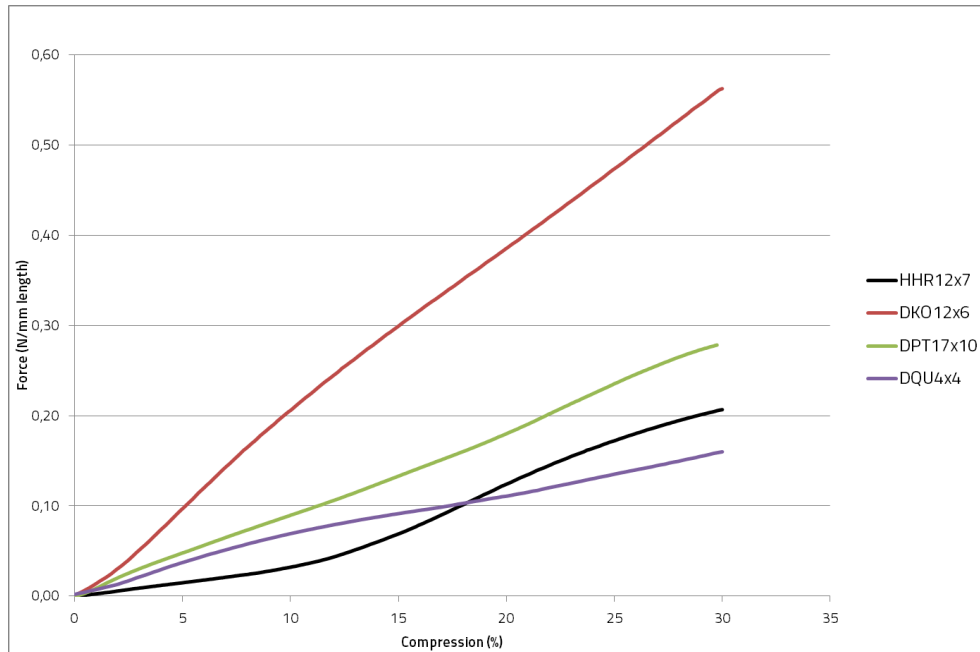
| LENGTH (mm)   | TOLERANCE (mm) |
|---------------|----------------|
| 5 – 150       | ± 0,8          |
| 151 – 300     | ± 1,3          |
| 301 – 1.200   | ± 2,5          |
| 1.201 – 1.750 | ± 4,7          |
| 1.751 – 2.300 | ± 6,4          |

## SHIELDING EFFECTIVENESS



**NOTE** | Due to less adhesive power of the conductive adhesive – compared to the non-conductive adhesive – the conductive adhesive is only an assembling aid.

## FORCE DEFLECTION DIAGRAM CuNi



**NOTE** | Deviations may occur due to the very soft material.