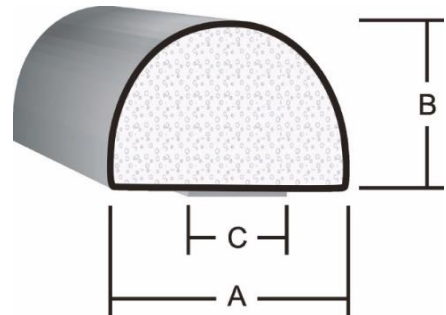


D-shape profiles have a polyurethan foam core which is covered with a conductive copper-nickel (CuNi) coated fabric. The gaskets are fitted with a non-conductive adhesive tape as standard.

The standard portfolio includes a large range of sizes. Customized dimensions can be supplied at low cost. The material can also be cut to the required length or modified to individual needs.

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

- Excellent shielding effectiveness
- Polyurethan foam core; standard hardness: 45 kg/m³
- 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) | 2,0 – 20,0 mm | - |
| Thickness (B) | 1,5 – 18,0 mm | - |
| Standard length (L) | 2.000 mm | - |
| Hardness value of foam | 32, 45, 70, 150 kg/m ³ | - |
| 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) | Non-conductive: approx. 40% of gasket width recommended Conductive: approx. 80% of gasket width recommended | - |
| 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

DHR-WxT XX-YY VO-L-ZZZZ

D-Shape Profile

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

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

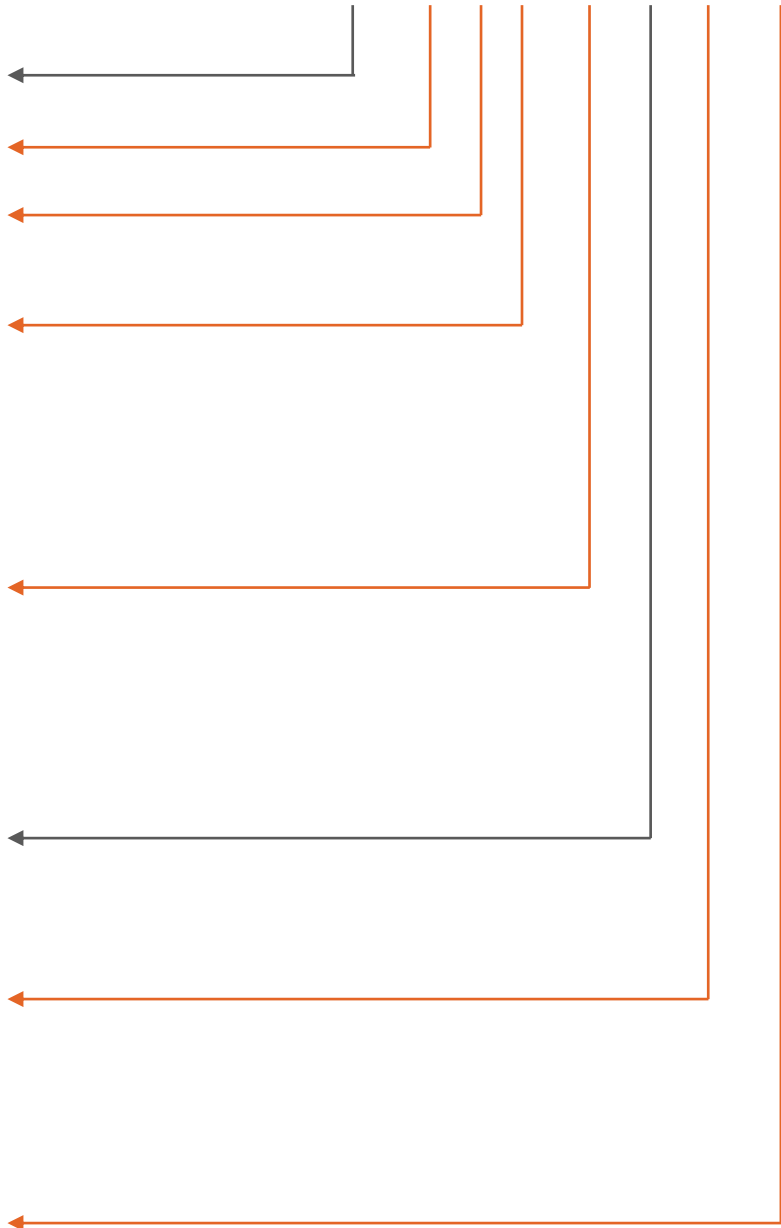
| | |
|------|-----------------------------------|
| NI | Fabric, CuNI coated |
| NIHF | Fabric, CuNI coated, halogen free |

| | |
|------|--|
| 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 ³ |
| PU70 | PU foam 70 kg/m ³ |
| PU150 | PU foam 150 kg/m ³ |



Standard options

EXAMPLE

DHR-2x1,5NI-C1,5V0-50-PU150

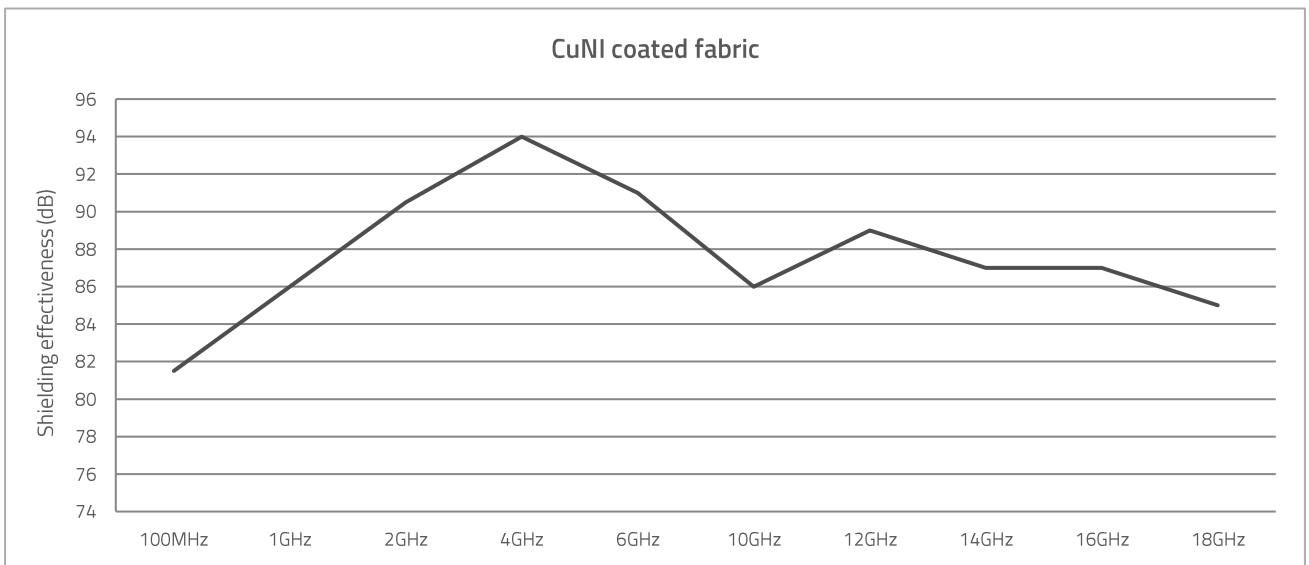
D-shape profile; width: 2 mm; thickness: 1,5 mm; fabric, nickel coated; conductive adhesive: 1,5 mm; UL 94 V-0; length: 50 mm; PU foam 150 kg/m³

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 |

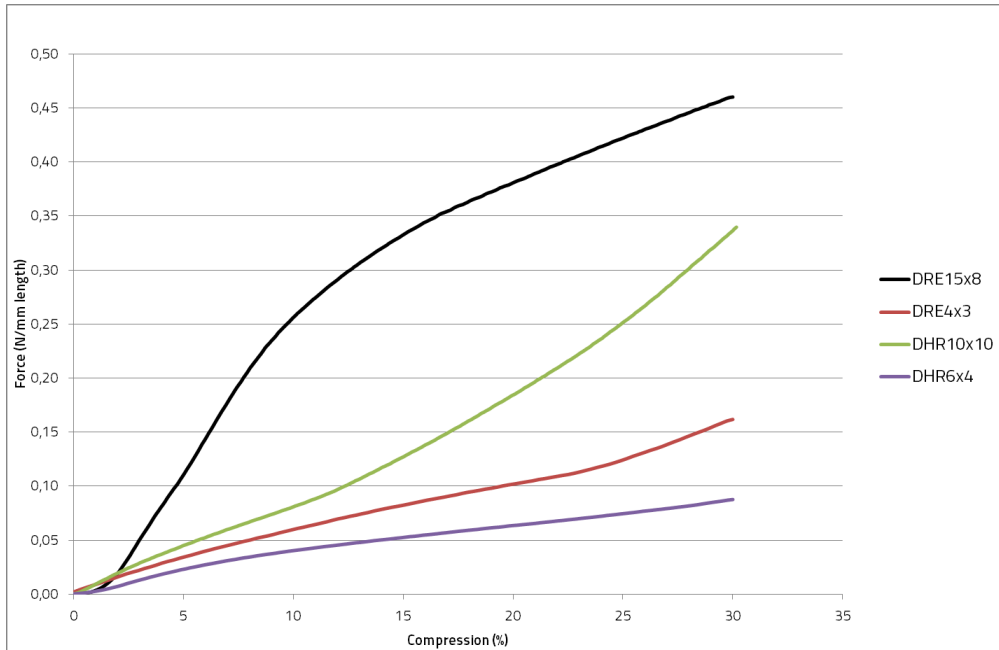
| LENGTH (mm) | TOLERANCE (mm) |
|---------------|----------------|
| 5 – 150 | ± 0,8 |
| 151 – 300 | ± 1,3 |
| 301 – 1.200 | ± 2,5 |
| 1.201 – 1.750 | ± 4,7 |
| 1.751 – 2.300 | ± 6,4 |

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.