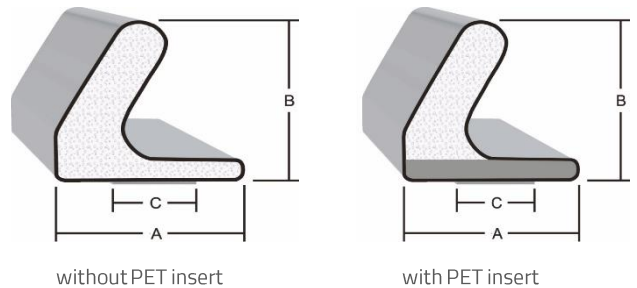


C-shape profiles have a polyurethane foam core which is covered with an aluminum foil. The gaskets are fitted with a non-conductive adhesive tape as standard.

The material can be cut to the required length or modified to individual needs. Customized dimensions can be supplied at low cost. From a size of 11x11 mm no PET insert is possible.

- Excellent shielding effectiveness
- Polyurethane 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



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Basic material	Polyurethan foam core	-
Coating	Aluminium foil	-
Width (A)	6,0 – 14,7 mm	-
Thickness (B)	3,5 – 17,9 mm	-
Standard length (L)	2.000 mm	-
Hardness value of foam	32, 45, 70, 150 kg/m ³	-
Surface resistance	<0,1 Ω/□	-
Shielding effectiveness	88 – 101 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

DCW-WxT AL-XX VO-L-ZZZZ

C-Shape Profile

xx	Width (mm)
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xx	Thickness (mm)
----	----------------

Aluminium foil

Nxx	Non-conductive adhesive (mm)
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Cxx	Conductive aluminium adhesive (mm)
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CTxx	Conductive textile adhesive (mm)
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XX	No adhesive tape
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Flammability rating

xxxx	Length (mm)
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Rxx	On roll (m)
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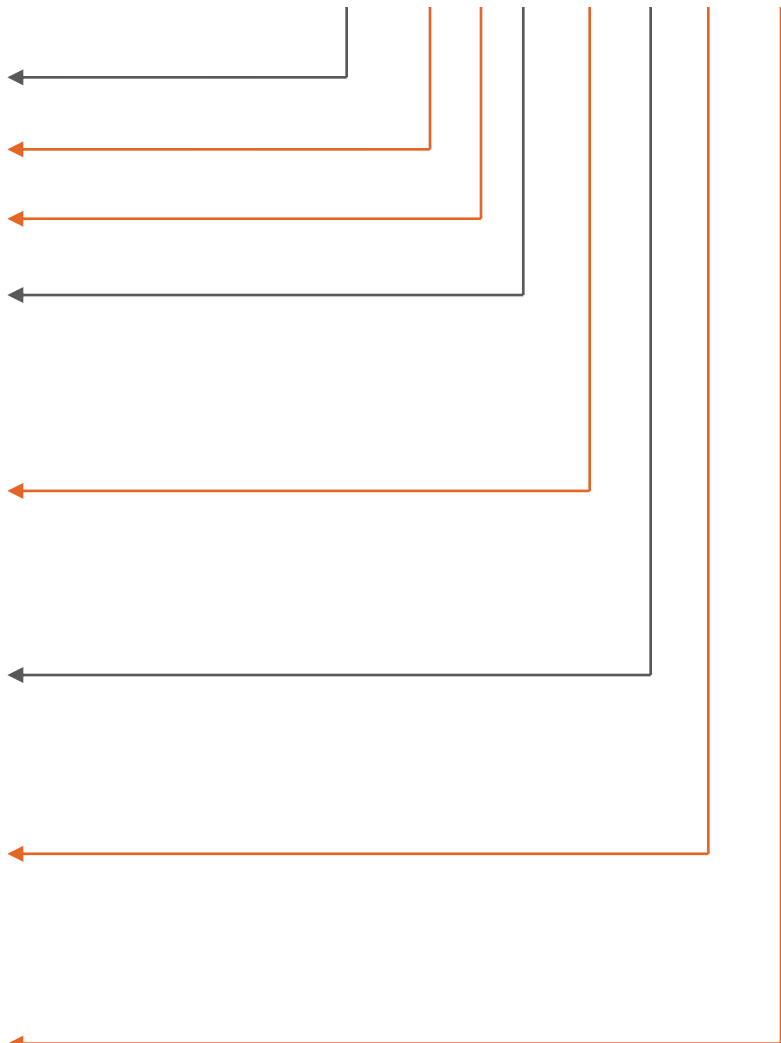
STPxxx	Sheet Type Package (mm)
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WRLxxx	Wide Release Liner (mm)
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PU32	PU foam 32 kg/m ³
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PU70	PU foam 70 kg/m ³
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PU150	PU foam 150 kg/m ³
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Standard options

EXAMPLE

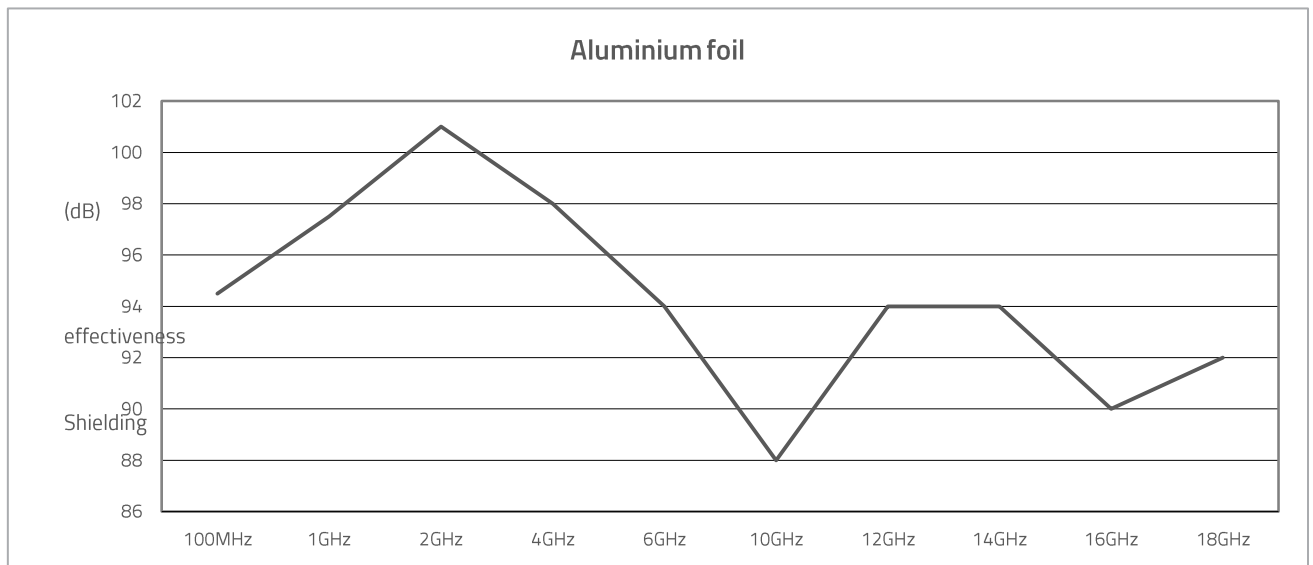
DCW-3x3,5AL-C2,5V0-2000-PU32
 C-shape profile; width: 3,0 mm; thickness: 3,5 mm; aluminium foil;
 conductive adhesive: 2,5 mm; UL 94 V-0; length: 2000 mm;
 PU foam 32 kg/m³

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

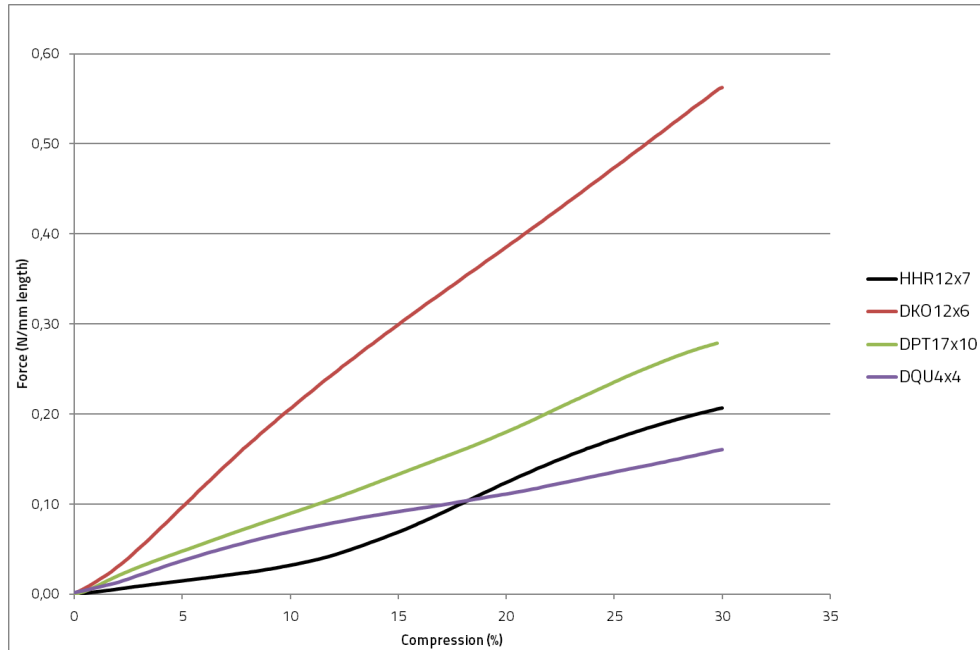
LENGTH (mm)	TOLERANCE (mm)
5 – 150	± 0,8
151 – 300	± 1,3
301 – 1.200	± 2,5
1.201 – 1.750	± 4,7
1.751 – 2.300	± 6,4

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.