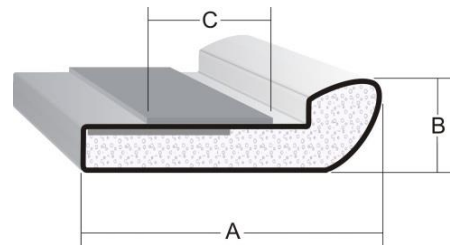


Knife-edge profiles have a polyurethan foam core which is covered with an aluminium foil. The gaskets are fitted with a non-conductive adhesive tape as standard.

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.

- 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



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Basic material	Polyurethan foam core	-
Coating	Aluminium foil	-
Width (A)	8,0 – 11,3 mm	-
Thickness (B)	2,3 – 2,7 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)	2,5 – 6,0 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

DKE-WxT AL-XX VO-L-ZZZZ

Knife-edge Profile

xx	Width (mm)
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xx	Thickness (mm)
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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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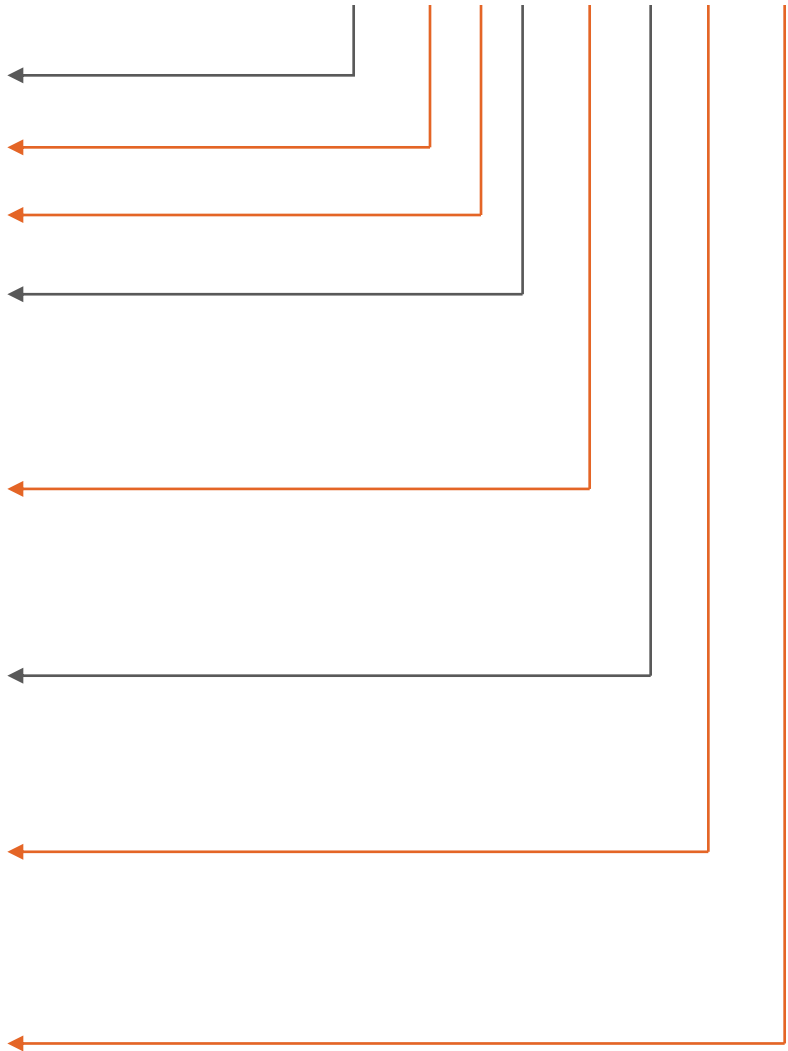
STPxxx	Sheet Type Package (mm)
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WRLxxx	Wide Release Liner (mm)
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PU32	PU foam 32 kg/m ³
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PU70	PU foam 70 kg/m ³
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PU150	PU foam 150 kg/m ³
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Standard options

EXAMPLE

DKE-8x2,7AL-C2,5V0-2000-PU32

Knife-edge profile; width: 8,0 mm; thickness: 2,7 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

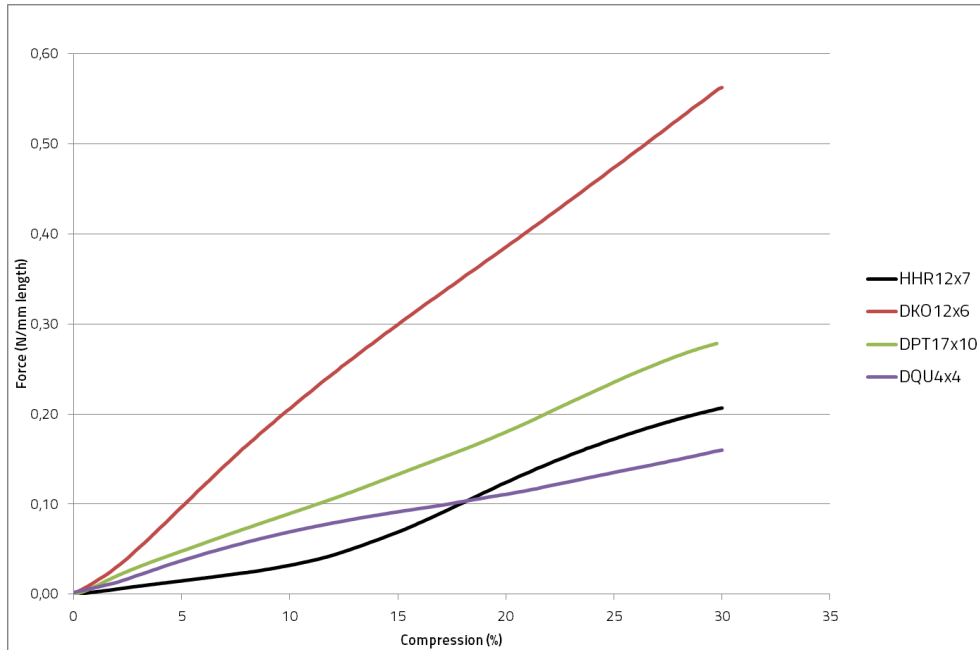
LENGTH (mm)	TOLERANCE (mm)
5 – 150	± 0,8
151 – 300	± 1,3
301 – 1.200	± 2,5
1.201 – 1.750	± 4,7
1.751 – 2.300	± 6,4

SHIELDING EFFECTIVENESS

Aluminium foil



FORCE DEFLECTION DIAGRAM CuNi



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