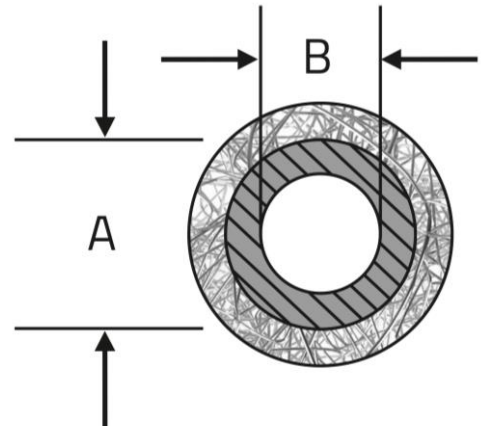


This product is a **knitted wire mesh over an elastomer core** such as neoprene or silicone cellular profile or tube. Usually it consists of 2 layers of knitting over the elastomer core but small sections of 1,5mm diameter require only 1 layer.

The knitted mesh is formed into the selected profile making a continuous gasket strip which is flexible and compressible and which makes an excellent RFI/EMI/EMP gasket.

Tubular round profiles are available in different wire types and with various elastomer cores.

- Available in continuous length or cut to length
- Variety of sizes
- High elasticity because of elastomer core
- Large selection of elastomer cores available
- Selection of wire to meet galvanic compatibility requirements
- Self adhesive backing is not recommended; non-conductive PSA for mounting process on request



PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE		TEST METHOD
Metal type	MO, VA, AL, FCS		-
Elastomer core	NE, SF		-
Outer diameter range (A)	2,4 – 12,7 mm		-
Tolerances outer diameter	2,0 – 10,0 mm	± 0,8 mm	-
	>10,0 mm	± 1,5 mm	-
Inner diameter range (B)	1,0 – 7,0 mm	-	-

NOTE | All sizes are that of the elastomer core, allowances must be made for the wire mesh: 1 layer approximately 0,4mm and 2 layers 0,8mm.

MATERIAL PROPERTIES ELASTOMER

Solid Silicone Rubber (SF)

- Generally meets ZZ-R-765
- Temperature range: -40°C to +200°C

Foamed Neoprene Rubber (NE)

- Specification: ASTM D1056 (84) SCE 42
- Temperature range: -15°C to +80°C

MATERIAL PROPERTIES WIRE

Monel Alloy 400 Wire (MO)

- Wire diameter: 0,11 mm
- Specification: AMS 4730

Stainless Steel (VA)

- Wire diameter: 0,11 mm
- Specification: BS EN 10088-3 2005 316 S19

Tin Plated Copper Clad Steel (FCS)

- Wire diameter: 0,11 mm
- Specification: ASTM B520, AISI 1010

Aluminum (AL)

- Wire diameter: 0,13 mm
- Specification: BS EN 537 pt 3

SHIELDING PERFORMANCE

H-Field

	MO	FCS	VA	AL
0,01 MHz	28 dB	47 dB	35 dB	36 dB
0,1 MHz	45 dB	67 dB	43 dB	47 dB
1,0 MHz	64 dB	88 dB	50 dB	64 dB
10,0 MHz	>104 dB	>104 dB	-	>104 dB

E-Field

	MO	FCS	VA	AL
0,01 MHz	>118 dB	>118 dB	119 dB	>118 dB
0,1 MHz	>136 dB	>136 dB	102 dB	>136 dB
1,0 MHz	>123 dB	>126 dB	-	>120 dB
10,0 MHz	99 dB	109 dB	-	91 dB

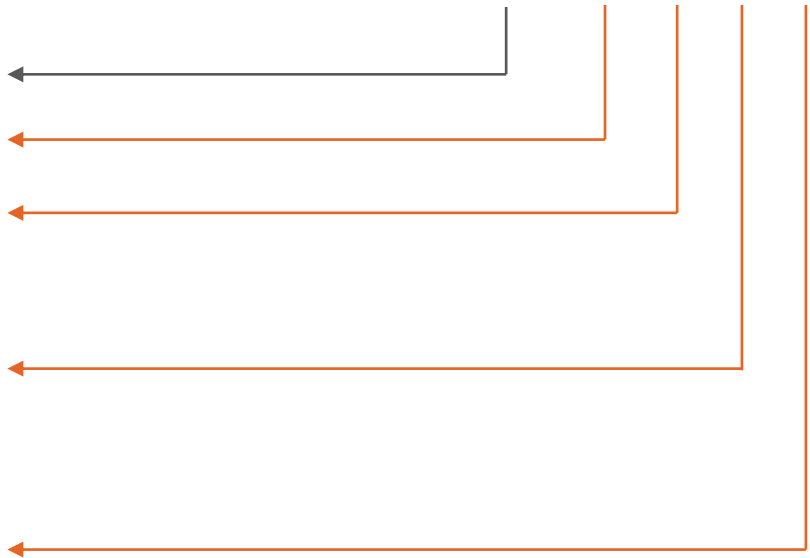
P-Field

	MO	FCS	VA	AL
400 MHz	96 dB	98 dB	85 dB	86 dB
1.000 MHz	84 dB	77 dB	62 dB	72 dB
10.000 MHz	46 dB	43 dB	36 dB	34 dB

BUILDING AN ITEM NUMBER

WERH-XXxXX-YY-ZZ

Tubular Round Profile	
xx	Outer diameter (mm)
xx	Inner diameter (mm)
MO	Monel
VA	Stainless steel
AL	Aluminium
FCS	Tin plated copper clad steel
NE	Foamed neoprene
SF	Solid silicone



Standard options

EXAMPLE

WERH-3,2x1,5-AL-NE

Tubular round profile, outer diameter: 3,2 mm; inner diameter: 1,5 mm; metal type: aluminum; elastomer core: solid neoprene