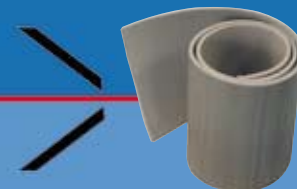


# Oriented wire shield 5711-5722

Sheet material to die-cut into complex shapes



## Technical specifications

Colour:	Grey silicone
Elastomer:	Silicone or fluorosilicone
Conductive filler:	Monel wire, aluminium wire
ROHS compliance:	Yes
Corrosion resistance:	Yes
UV resistance:	Yes
Oil resistance:	Fluorosilicone type only
Fuel resistance:	Fluorosilicone type only
IP rating:	Yes

Material	Solid silicone with Monel wire 5711	Solid silicone with aluminium wire 5712	Solid fluorosilicone with Monel wire 5713	Sponge silicone with Monel wire 5721	Sponge silicone with aluminium wire 5722
Color	Grey	Grey	Blue	Grey	Grey
Wire count/ sq.inch.	900	900	900	900	900
Compression set	25%	25%	25%	25%	25%
Closing force (psi)	25-100	25-100	25-100	5-50	5-50
Fuel/Solvent resistant	No	No	Yes	No	No
Temperature (C°)	-65/200	-65/200	-55/200	-65/200	-65/200

## Shielding performance (dB)

Material	Solid silicone with Monel wire	Solid silicone with aluminium wire	Solid fluorosilicone with Monel wire	Sponge silicone with Monel wire	Sponge silicone with aluminium wire
200 KH	70	70	70	70	70
100 MHz	125	100	100	120	8
1.0 GHz	125	100	100	125	70

## Benefits

- Temperatures up to 220°C
- High shielding performance
- Water sealing, up to depth of 10 meters
- Pressure resistant
- Salt spray / chemical resistant
- Fluorsilicone rubber for fuel/oil-resistance
- Supplied as sheets, strips or die-cuts



Ordering information

When ordering Flatshield 5700, please specify part number and dimensions. For die cuts, please enclose a detailed drawing.

Series	Width (mm)	Length (mm)	Thickness
5711	50	50	081

5711 : Solid silicone with Monel wires  
 5712 : Solid silicone with aluminium wires  
 5713 : Solid fluorosilicone with Monel wires  
 5721 : Sponge silicone with Monel wires  
 5722 : Sponge silicone with aluminium wires

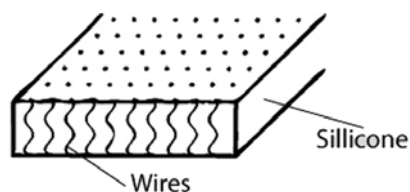
**Available thicknesses**  
 0.81, 1.13, 1.38, 1.57, 2.40, 3.18, 3.96, 4.78, 6.35 mm.  
 Other thicknesses on request.

Oriented Wire Shield 5711 - 5722 is a composite gasket material consisting of a large number of small wires embedded and bonded in solid or sponge silicone, or fluor silicone elastomer for oil-resistance.

The wires provide excellent conductivity to establish EMI / RFI shielding.

The material is used in military, industrial and commercial products requiring EMI suppression, grounding, or static discharge. It is very suitable for applications where an environmental or pressure seal is required.

The sponge version is used where there is severe joint unevenness, or if lower closure forces and greater compressibility are required.



## Dimensions

Standard sheet of 90 x 900 mm. Bigger items can be welded/joined together. This is to prevent waste of material.

**Custom compositions** are available on request- please send a drawing with dimensions to our email address [info@hollandshielding.com](mailto:info@hollandshielding.com).