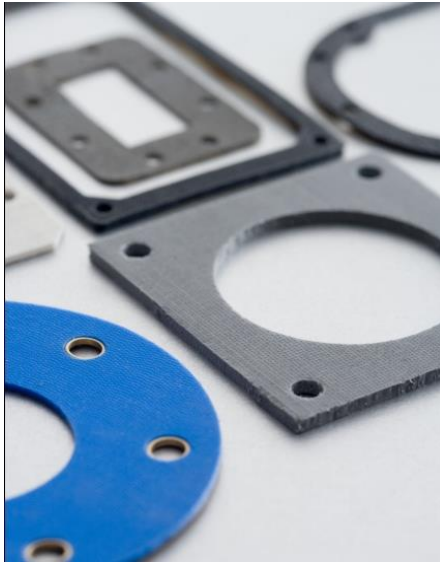


Silshield S-Range is a matrix of vertically oriented wires in a silicone elastomer carrier.  
Two wire types are generally available - monel or aluminium - combined with solid silicone rubber, sponge silicone rubber or flourosilicone depending on the application.  
P&P Technology are always happy to provide guidance on the best product for your application.



**SP Shielding - solid silicone rubber**

**SS Shielding - sponge silicone rubber**

**SF Shielding - hydrocarbon resistant flourosilicone**

**SG Shielding - sponge silicone flame retardant**

**SR Shielding - solid silicone flame retardant**

**Advantages** - Cost effective

Good environmental seal

Extremely good EMC performance

Easily die cut into complex shapes

Can be supplied with self adhesive backing

Can be supplied in sheet form -max. 228 x 900mm  
except SF Series max. 152 x 900mm

Can be fitted with compression stops to ensure correct  
compression

Flame retardant versions available

Hydrocarbon resistant version available

**Applications** -

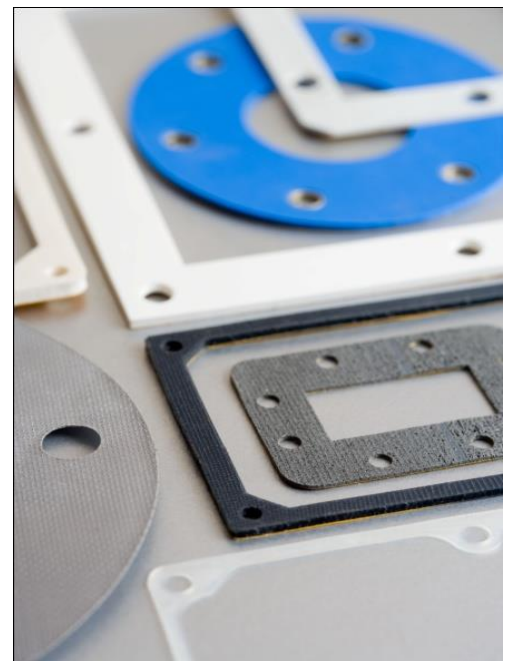
Cover panels

High performance die-cut gaskets

**Points to Note** -

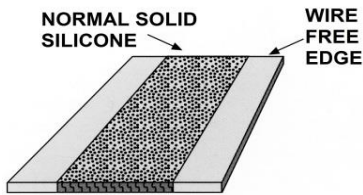
High compression force required

Care must be taken to ensure compression is even



# Application Notes / Overview

## Silshield - Orientated Wires in Silicone



### SE Shielding - wire free edge

Wire free widths can be ordered where the material cross-section has wires along just one edge, or along both edges with no wires in the centre.

#### Advantages -

Provides a pressure seal and EMI shield in one component  
Reduces the compressive force needed to fit the gasket

#### Points to Note -

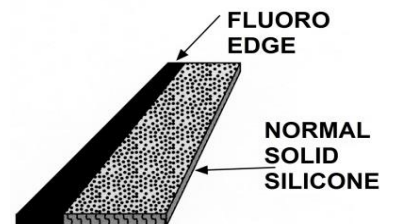
Not available in sponge

### SE Shielding - Dual Materials

A wire free fluoro-edge is bonded to a standard sheet or strip during the moulding process

#### Advantages -

Cost-effective  
Wire-free contaminant resistant outer edge  
Can be used where loose wires could cause problems  
Can be used where gaskets are subjected to solvents or hydrocarbons  
Can be used where gaskets are liable to soften & swell



#### Points to Note -

Not available in sponge

P&P Technology are specialist manufacturers of EMI / RF shielding products. For application notes on the rest of our range, or one of our catalogues, please find our contact details below.



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