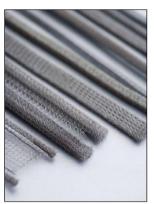
Application Notes / Overview

Knitshield - knitted mesh

catalogue pages 4-13

Knitshield is made from several different wire types depending on application - monel, aluminium, tinned copper clad steel, brass & stainless steel. P&P Technology are always happy to provide guidance on the best wire for your application.



KP Shielding - Knitted mesh in a tube form, providing high levels of EMI shielding when evenly compressed between two conductive surfaces.

KP Advantages - Low cost Long Service Life Good EMC performance Custom sizes easily manufactured **KP** Applications -

Permanently fixed cover plates *usually fitted in a groove when used on doors

KP Points to Note -No environmetal seal Will adopt compression set

KE Shielding - Knitted mesh in a tube form over an elastomer core.

KE Applications -

Door seals Access covers *usually fitted in a groove

KE Points to Note no seal against liquid ingress KE Advantages - Low cost Improved compression-set performance Reduced closure force Limited environmental seal Good EMC performance Custom sizes easily manufactured Can be supplied as ready to fit gaskets





KC Shielding -Knitted mesh over an elastomer core bonded to a nonconductive material carrier to provide an environmental seal - usually fitted with a self-adhesive strip to aid mounting (also known as twinstrip)

KC Advantages - low cost Ease of application Environmental seal Good EMC performance Reduced closure force Variety of material combinations may be used Can be supplied as ready to fit gaskets KC Applications -

Door seals Access covers

KC Points to Note -None

Application Notes / Overview Knitshield - knitted mesh

KM Shielding - Knitted mesh over an elastomer core bonded to an aluminium extrusion carrier. Dual variants also provide an environmental seal.

KM Advantages -

Good EMC Performance Extrusion acts as limit stop Can provide environmental seal Robust construction





KW Shielding - Knitted tubular mesh stocking supplied in flat form, these meshes can be wrapped around cable-forms for effective screening if adequate ground termination is provided.

May be bolted or riveted in place

KW Advantages - Low cost Easy to use KW Applications -Screening cable forms

KW Points to Note -None

KR Shielding - Compressed knitted mesh washers

KR Applications -

KM Applications -Cover panels

KM Points to Note -

Maximum 3m length

Door Seals

Antenna seals Connector seals Cable glands KR Advantages - Cost effective Consistent construction / performance



KR Points to Note -

Requires individual tooling Washers can only be circular

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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