Electromagnetic Shielding Tubes

Product Name	Closure Type	Shielding Material
SLBF	Zipper	Aluminum Foil
SLBN(K)		Conductive Fabric (2-layer)
SLBFS		Aluminum Foil + Conductive Fabric
SPHX(2)		Metal Mesh (2-layer)
SPHX(4)		Metal Mesh (4-layer)
OLBF	Snap fastener	Aluminum Foil
OLBFS		Aluminum Foil + Conductive Fabric

Types of Shielding Materials SLBN(K), SPHX(2), SPHX(4) are UL224 VW-1 certified

Aluminum Foil Type

- Available in three thicknesses: 0.01mm, 0.02mm, 0.07mm
- Excellent shielding performance

Conductive Fabric Type

- Flexible and conformable
- Excellent workability

Metal Mesh Type

- Flexible and conformable
- Available in 2-layer and 4-layer configurations
- Composite types combining metal mesh and conductive fabric also available

- Inner Diameters (mm)
  SLBF, SLBFS, SPHX(2), SPHX(4) : 15, 20, 25, 30, 40, 50, 70, 100
  SLBN(K) : 15, 20, 25, 30, 40 OLBF, OLBFS : 10, 15, 20, 25, 30, 40, 50, 70, 100

Shield Mesh

Product Name	Material	Wire Gage	Product Width (mm)	Remarks
Shield Mesh	Tin-Plated Soft Copper Wire	0.12mm	10mm–340mm	Available with or without adhesive tape

Conductive Gaskets

Product Name	Core Material	Conductive Fabric	Product Width & Thickness (mm)	Remarks
Shield Foam®	Polyurethane Foam	Polyester Cloth +Copper/Nickel Plating +Special Coating	Width : from 2mm in 0.5mm steps Thickness : from 0.5mm in 0.5mm steps	Custom cuts available (Prefered length, kiss-cut, etc.) UL94 V-0

Shield Sleeves

Product Name	Core Material	Filament Material	Applicable Diameter (mm)	Remarks
ZSK	braided wire sleeve	Aramid Fiber +Tin-Plated Copper Foil	3–7, 6–15, 8–18, 11–20, 15–40, 17–46, 20–54	UL1441 VW-1

Wire Bundling & Protection – Zipper Tubes®

Product Name	Closure Type	Sheet Material	Inner Diameters (mm)	Remarks
GPPJ(B)	Zipper	Soft PVC with Polyester Cloth	15, 20, 25, 30, 40, 50, 70, 100	UL224 VW-1
ZTZ-63B		Soft PVC		UL224 VW-1, Heat Resistance 105°C, Voltage Resistance 600V
SLT				Transparent Sheet

Chemical-Resistant Tubes

Product Name	Closure Type	Sheet Material	Inner Diameters (mm)	Remarks
OPE	Snap fastener	PTFE	10, 15, 20, 25, 30, 40, 50, 70, 100	Chemical resistance sheet

Anti-Spatter Tubes

Product Name	Closure Type	Sheet Material	Inner Diameters (mm)	Remarks
MTK	Velcro	Aramid Fiber + Special Coating	15, 20, 25, 30, 40, 50, 70, 100	Anti-Spatter

Wire Bundling for Aluminum Frames – AL-Easy®

Product Name	Closure Type	Sheet Material	Inner Diameters (mm)	Remarks
WELG	Easy Lock	Semi-Rigid PVC	13, 15, 20, 25, 30	Equivalent to UL224 VW-1 (not registered)

Sleeves

Product Name	Closure Type	Filament Material	Max Applicable Diameter (mm)	Remarks
ZJ-FR	braided wire sleeve	Flame-Retardant Polyester	8, 18, 22, 31, 47, 50, 85	UL1441 VW-1

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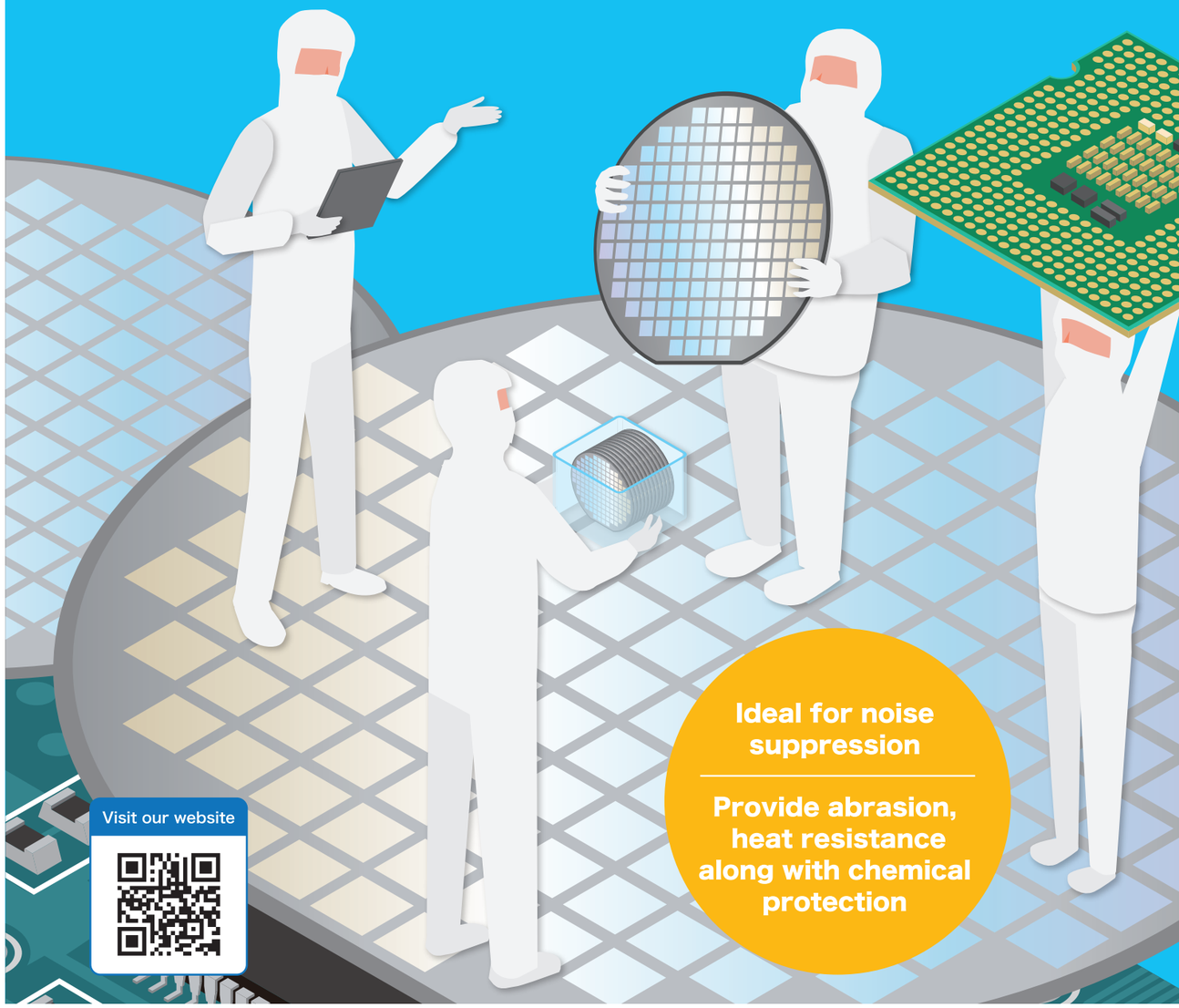
■ The specifications of the products in this catalog are subject to change without prior notice for improvement.

RoHS
RoHS指令 10物質適合

Product Guide for Semiconductor Manufacturing Equipment

Electromagnetic Shielding Tubes, Cable Bundling & Protection, Chemical-Resistant Tubes,
Anti-Spatter Tubes, Cable Bundling for Aluminum Frames,
Shield Sleeves, Conductive Gaskets



ZIPPERTUBING(JAPAN), LTD.

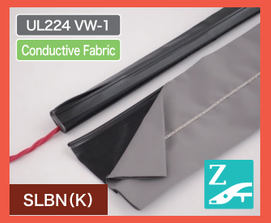
Product Guide for Semiconductor Manufacturing Equipment

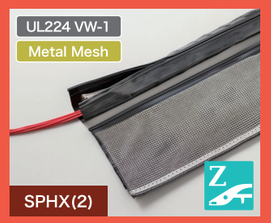
Ideal for noise suppression in power and signal lines

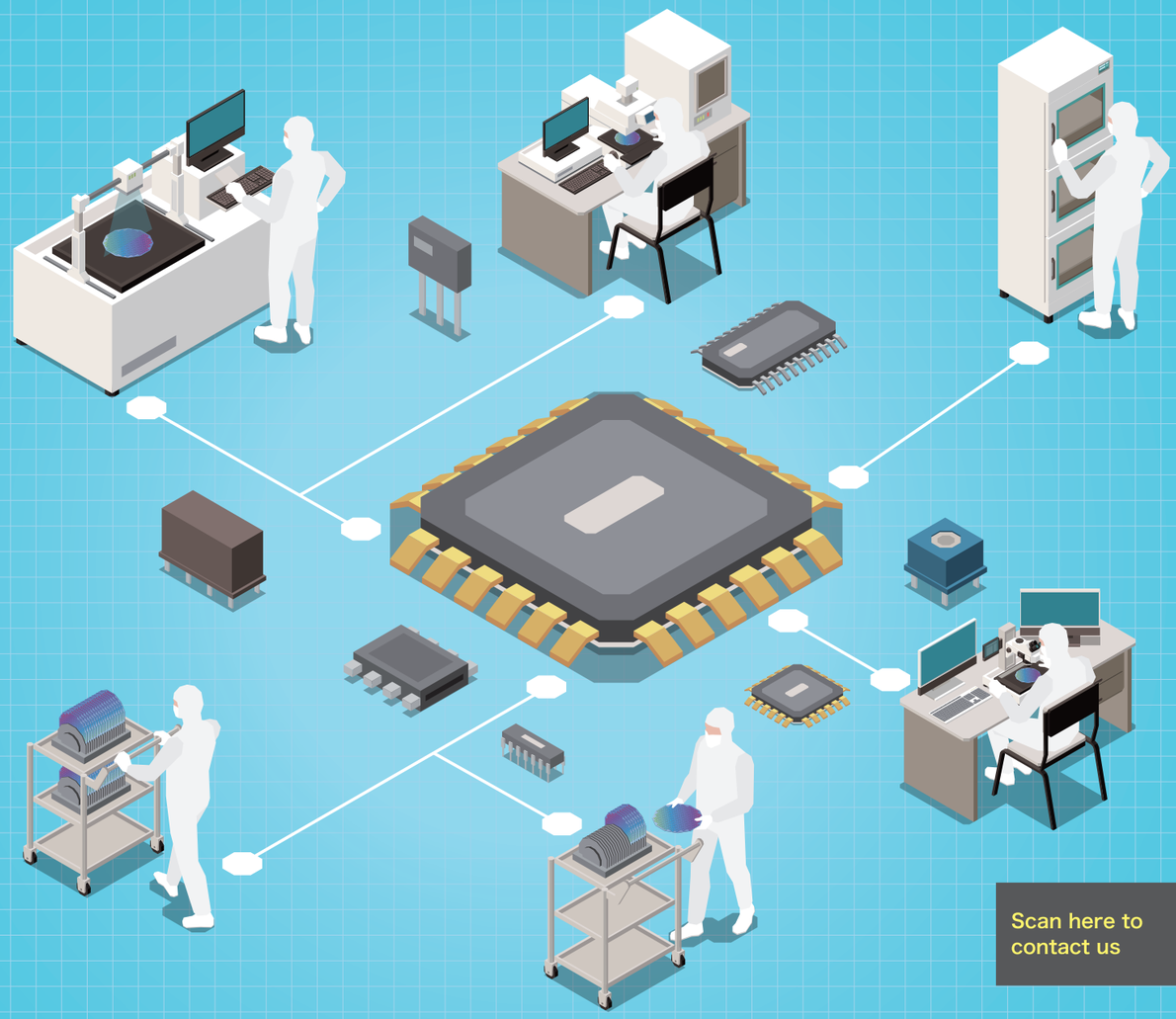
Electromagnetic Shielding Tubes

Can be retrofitted even after wiring between devices (Zipper type / Hook type)
Choose from aluminum foil, conductive fabric, or metal mesh as shielding materials

•Tool-specific item







Provides heat resistance along with chemical protection

Chemical-Resistant Tube

Uses PTFE film, also provides heat resistance

For cable protection against welding spatter

Welding-spatter-resistant tube

Bundling protection tube made with a welding-spatter-resistant sheet

Tubes for Aluminum Frames

AL-Easy® for Aluminum Frame Wiring

Can be directly mounted into the grooves of aluminum frames

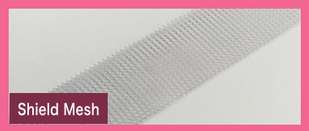
(AL-Easy® is a registered trademark of ZIPPERTUBING(JAPAN), Ltd.)

Scan here to contact us

Ideal for terminal processing of connections

Shield Mesh

Wrap around cables in a half-lap configuration
Easy to install for shielding terminal connections



Ideal for noise suppression inside electronic equipment

Conductive Gasket

Wide variety of configurations
Customizable to various shapes

Ideal for shielding in curved or flexible sections

Shield Sleeve

Excellent heat resistance, flexible and lightweight, expands up to 3 times its original size

(Shield Foam® is a registered trademark of ZIPPERTUBING(JAPAN), Ltd.)

Ideal for Cable Bundling and Protection

Zipper Tube®

Unique zipper closure system ideal for long-length bundling tasks
UL-certified for flame resistance, heat resistance, and voltage resistance
Made with low-dust materials

•Tool-specific item

(Zipper Tube® is a registered trademark of ZIPPERTUBING(JAPAN), Ltd.)

Suitable for bundling in bent sections

Sleeve

Braided tubes made with flame-retardant polyester monofilament