

EMI Products Guide

EMI (Electro Magnetic Interference)

BS Tube (Noise Protecting Tube [Snap Type])

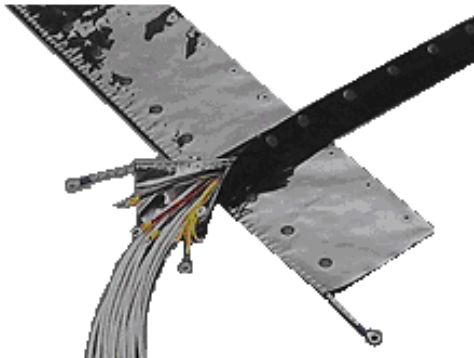
Feature

- Snap tube that uses aluminum foil with high shielding effects to control noise
- The snap design permits the tube to be fit and released easily without using a tool
- Available in 9 sizes from $\Phi 9$ to $\Phi 100$, the tube ensures ideal insulation for different wiring needs
- The material is so flexible that it can fit any shape and help produce a neat appearance

Color: Black

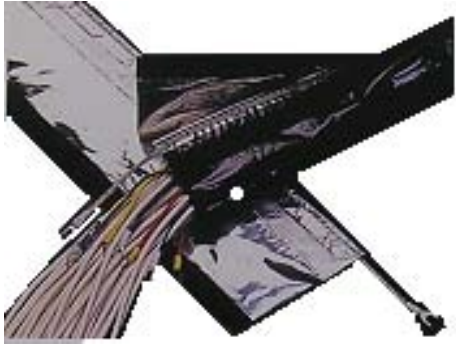
Packing:

- The external case has a slot from which you can pull the tube out to use
- Not using any metallic parts, the bobbin and the external case can be readily disposed of.



Part No	Nominal Size	Length	Materials / Characteristics
TMBS-10	$\Phi 10$	25m	Sheet section: Fire-resistant flexible vinyl chloride + PET + Aluminum foil + 1.25sq mesh texture (plainly braided + inner copper mesh) Interlock section: Snap buttons (Polyester resin)
TMBS-15	$\Phi 15$		
TMBS-20	$\Phi 20$		
TMBS-25	$\Phi 25$		
TMBS-30	$\Phi 30$		
TMBS-40	$\Phi 40$		
TMBS-50	$\Phi 50$		
TMBS-70	$\Phi 70$		
TMBS-100	$\Phi 100$		

S Tube (Noise Protecting Tube [Magic Type])



Feature

- Magic fastener tube uses aluminum foil with high shielding effects to control noise
- The magic design permits the tube to be fit and released quickly without using tool
- Available in 7 size from $\Phi 20$ to $\Phi 100$, the tube ensures ideal insulation for different wiring needs
- The material is so flexible that it can fit any shape

and help produce neat appearance

Color: Black

Packing:

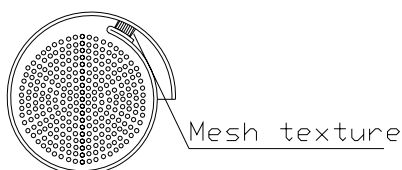
- The external case has a slot from which you can pull the tube out to use
- Not using any metallic parts, the bobbin and the external case can be readily disposed of.

Part No	Nominal Size	Length	Materials / Characteristics
TMP-20	$\Phi 20$	25m	Sheet section:
TMP-25	$\Phi 25$		Fire-resistant flexible vinyl chloride + PET +
TMP-30	$\Phi 30$		Aluminum foil + 1.25sq mesh texture (plainly
TMP-40	$\Phi 40$		mashed tinned copper mesh)
TMP-50	$\Phi 50$		Interlock section:
TMP-70	$\Phi 70$		Magic fasteners
TMP-100	$\Phi 100$		Width of hook and loop fasteners each: 16mm

How to use

- Wrap the tube around pieces in such manner that the aluminum foil comes inside, and interlock the tube such that the mesh texture contacts with the aluminum foil.
- The mesh texture can serve as a ground wire

※ Cross Section



(Plainly braided tinned copper mesh)

Noise Protecting Tube [Slide Lock Type]



Features

- Slide lock tube that uses aluminum foil with high shielding effects to control noise
- The material is so flexible that it can fit any shape and produce a neat appearance
- The interlock section provides excellent air-tightness to prevent the inclusion of external dust
- Available in 9 sizes from $\Phi 15$ to $\Phi 100$, the tube ensures ideal insulation for different wiring needs

Packing

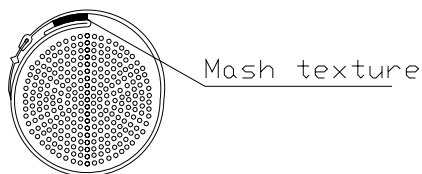
- The external case has a slot from which you can pull the tube out to use
- Not using any metallic parts, the bobbin and the external case can be readily disposed of

How to use

- Wrap the tube around pieces in such manner that the aluminum foil comes inside, and interlock the tube such that the mesh texture contacts with the aluminum foil.
- The mesh texture can serve as a ground wire

Part No	Nominal Size	Length	Materials / Characteristics
TLSA-15	$\Phi 15$	25m	Sheet section: Fire-resistant flexible vinyl chloride + PET + Aluminum foil + 1.25sq mesh texture (plainly braided tinned copper mesh)
TLSA-20	$\Phi 20$		
TLSA-25	$\Phi 25$		
TLSA-30	$\Phi 30$		
TLSA-35	$\Phi 35$		
TLSA-40	$\Phi 40$		
TLSA-50	$\Phi 50$		
TLSA-70	$\Phi 70$		
TLSA-100	$\Phi 100$		
			Interlock section: Semi-rigid fire-resistant vinyl chloride

※ Cross Section



(Plainly braided tinned copper mesh)

Nose Protection Tube for Flat Cable

Features

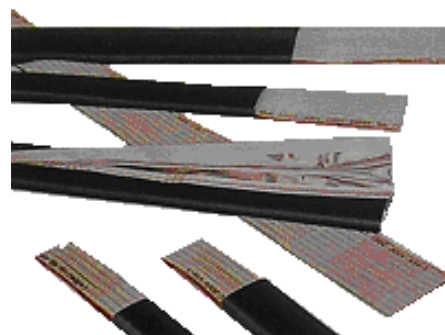
- Perfect for shielding of flat cable and ribbon cables
- The aluminum foil interior sheathes cables to ensure the shielding effects
- The material is so flexible that it can fit any shape and help produce a neat appearance

Color : Black

Packing

- The external case has a slot from which you can pull the tube out to use
- Not using any metallic parts, the bobbin and the external case can be readily disposed of

Part No	Applicable Cable size		Products Width	Length	Materials / Characteristics
	Conductors	Cable width			
TATF-10	10	12.8mm	15.0mm	25m	Sheet section: ①, ② Fire-resistant flexible vinyl chloride + PET + Aluminum foil + 1.25sq mesh texture (Plainly braided tinned copper mesh) Interlock section: Tape width TATF-10 5mm TATF-15 to 60 10mm
TATF-16	16	20.3mm	22.5mm		
TATF-20	20	25.4mm	27.5mm		
TATF-26	26	33.0mm	35.0mm		
TATF-34	34	43.2mm	45.5mm		
TATF-40	40	50.8mm	55.5mm		
TATF-50	50	63.5mm	65.5mm		
TATF-60	60	76.2mm	78.5mm		



Nose Protecting Sleeve



Features

- Excellent in elasticity, the sleeve can stretch 1.5 to 4 times if compressed
- Highly flexible and ideal for shielding of movable parts
- The braided conductive threads provide excellent shielding effects
- Available in 4 sizes from $\Phi 3$ to $\Phi 19$, the sleeve ensures ideal insulation for different wiring needs
- The material is so flexible that it can fit any shape and help produce a neat appearance
- Mesh type that prevents the accumulation of moisture and heat

Material

- Core material : Aramid fiber
- Surface : Tinned copper foil

Part No	Min size	Max size	Width	Length
TPTS-3	$\Phi 3$	$\Phi 12$	6mm	100m
TPTS-6	$\Phi 6$	$\Phi 22$	15mm	
TPTS-12	$\Phi 12$	$\Phi 28$	19mm	
TPTS-19	$\Phi 19$	$\Phi 32$	25mm	

Nose Protecting Mesh



Features

- Superb shielding effects can be expected by twisting the tape up around the cable or wire
- The cylindrically braided thin wires are folded for grater flexibility
- The plated wires provide excellent corrosion resistance
- Mesh type that prevents the accumulation of moisture and heat

Material : • Tinned flexible copper wire (0.12mm)

Part No	Width	Length
TSMT-13	13mm	10m
TSMT-25	25mm	
TSMT-38	38mm	
TSMT-50	50mm	

Conductive Shielding Gaskets (Square)



Features

- Standard type UL approved component
(UL FILE No.E193655)
- Produces the shielding effect of 80dB in range of 30MHz to 1GMHz
- Uses urethane foam excellent in both flexibility and stability
- Installation is accomplished easily with an adhesive tape
- Easy to cut and highly adaptable

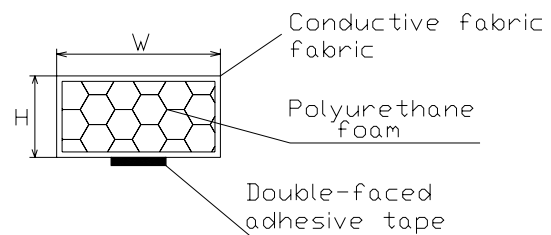
Application

Part No.	H	W	Length
TBU-1-3	1	3	1,000
TBU-1-4	1	4	
TBU-1-5	1	5	
TBU-1-7	1	7	
TBU-1-10	1	10	
TBU-1-13	1	13	
TBU-2-4	2	4	
TBU-2-5	2	5	
TBU-2-7	2	7	
TBU-2-10	2	10	
TBU-2-21	2	21	
TBU-3-5	3	5	
TBU-3-9	3	9	
TBU-3-13	3	13	
TBU-5-5	5	5	
TBU-5-10	5	10	
TBU-6-6	6	6	
TBU-6-13	6	13	
TBU-7-10	7	10	
TBU-7-13	7	13	
TBU-8-10	8	10	
TBU-10-10	10	10	
TBU-10-13	10	13	

- Designed for computers, peripheral devices, PC,OA equipment, and mobile phones
- Designed to control electromagnetic waves from telecommunication equipment for professional use, medical equipment, measuring instruments, and other electronic device
- Shielding and grounding of equipment enclosures

Quantity : 10 pieces

● Cross Section



Conductive Copper Foil Tape



Features

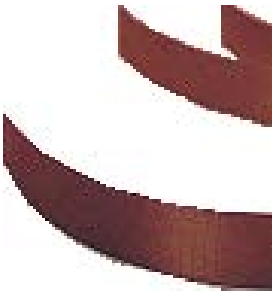
- Conductive, highly adhesive, and as easy to handle as common tapes to produce shielding and grounding effects
- Punching or half-cutting to special shape is available upon request

- Material**
- Base material : Rolled copper foil
 - Adhesive : Conductive acrylic adhesive

Part No.	With (mm)	Length (m)
T837H-8	8	22
T837H-20	20	33

Thickness	μ
Base Material	35
Adhesive	50
Total	85

Conductive Fabric Tape



Features

- Conductive, highly adhesive, and as easy to handle as common tapes to produce shielding and grounding effects
- Punching or half-cutting to special shape is available upon request

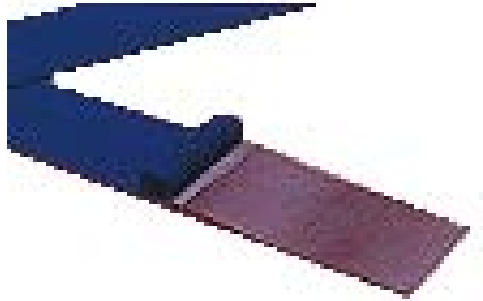
Material

- Base material : Fire-resistant conductive fabric
- Adhesive : Conductive acrylic adhesive

Part No.	With (mm)	Length (m)
T8269V-12.5	12.5	20
T8269V-25	25	20

Thickness	μ
Base Material	100
Adhesive	50
Total	150

Aluminum Foil Tape with Masking Film



Features

- Aluminum foil tape is masked with a polyester film
- You can affix the tape on the unfinished surface of a control panel and then peel off the masking film, after applying a baking finish to it
- The masking film is easy to peel off because it shrinks in drying Process (at 160°C or more)
- Using with a noise protecting gasket is recommended

Material

- Base material : Aluminum foil
- Adhesive : Conductive acrylic adhesive
- Masking film : Polyester
(Shrinkage temperature : 160°C or more)
- Table of Shielding Effects

Part No.	With (mm)	Length (m)
T1035AD-12.5	12.5	20
T1035AD-20	20	20
T1035AD-25	25	20

Thickness	μ
Base Material	35
Adhesive	50
Masking film	25
Total	110

