


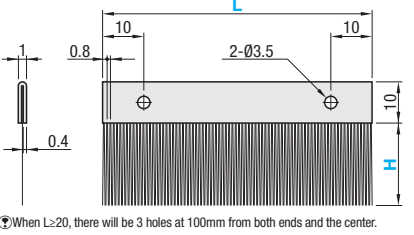
Neutralizer Brush / Conductive Copper Foil Tape / Neutralizer Tape

Brush -Overview-

Neutralization Brushes RoHS



Type	Material	
	Holder	Brush
EBRS	EN AW-1050A/Al99,5	1.4301/X5CrNi18-10(12µm)



Part Number	Type	H	L 1mm Increment	€ Unit Price				
				L50~100	L101~200	L201~300	L301~400	L401~500
EBRS		10 20	50~500					

Order Example: **EBRS10** - 500

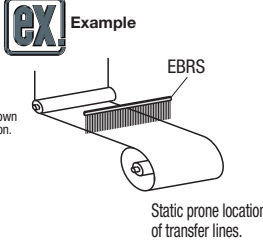
Days to Ship: **8 Days**

Price

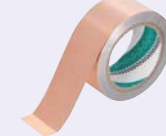
Volume Discount (Round down to one Cent.) P87

Quantity	1~9	10~14	15~19	20~49
Discount Rate	€ Unit Price	5%	10%	18%

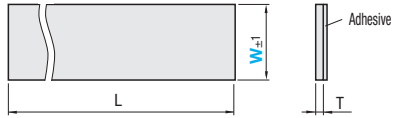
Qty. more than shown subject to quotation.



Conductive Copper Foil Tape RoHS



ECTP



Material: Body : Copper
Adhesive Part: Conductive Adhesives

Features

- Usable in a wide range of applications to secure electroconductivity of equipments.
- Electroconductive adhesive with electric resistance of 160mΩ/4cm² is used.

Characteristic Values

Item	Unit	Value
Electric Resistance of Adhesive Layer	mΩ/4cm ²	160
Tensile Strength	N/cm	39.2
Adhesive Strength (for 180 Degree Peeling Strength)	gf/20mm	700
Elongation	%	-

Ⓢ The above values are not guaranteed values but an example of measured values.

Part Number	Type	W (mm)	L (Meter)	T (mm)	€ Unit Price	Volume Discount price
					Qty. 1~19	20 pcs. or More
ECTP		50	10	0.08		42,50


Order Example: **ECTP50**

Days to Ship: **6 Days**

Price

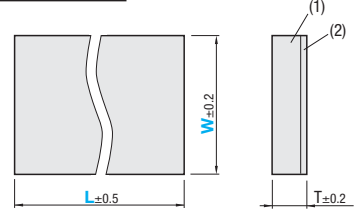
Ⓢ L dimension is in meters.
 Ⓢ Peel off backing paper to adhere it to an object.
 Clean adhered surface off oil or dirt before use.
 Ⓢ Can be cut with a utility knife.

Neutralization Tapes RoHS



ELTA

Type	Material	
	(1)	(2)
ELTA	Silver Plating Polyester Fiber	Electric Conductivity Acrylic Adhesive Layer



Part Number	Type	W	L 1mm Increment	T	€ Unit Price				
					L20~100	L101~200	L201~300	L301~400	L401~500
ELTA		10 25 50	20~500	0.6					

Order Example: **ELTA10** - 500

Days to Ship: **8 Days**

Price

Order Example: **ELTA10** - 500

Days to Ship: **8 Days**

Price

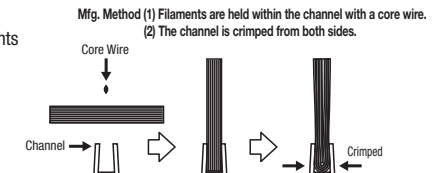
Volume Discount (Round down to one Cent.) P87

Quantity	1~9	10~14	15~19	20~49
Discount Rate	€ Unit Price	5%	10%	18%

Ⓢ Qty. more than shown subject to quotation.

General Information
 The soft and resilient filament characteristics are well suited for various industrial uses such as parts leveling, dusting, and washing. General purpose bar type Channel Brush and Roll Brush are offered. Additionally, MISUMI original attachment bracket are provided.

Features of Channel Brush
 The Channel Brush has filaments arranged on a straight line, unlike a tooth brush where the filaments are planted. Mfg. method is shown on the right. More economical than planted filament brush.

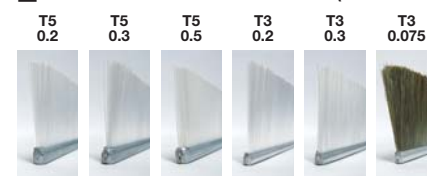


About the filament materials

6 Nylon
 General purpose material. Good anti-wear, fatigue resistance, and resiliency characteristics suitable for long term operation. Also usable in food processing. Maximum temp limit for the filaments is 100°C. Care should be taken since 6 Nylon dissolves in strong hydrochloric acid, sulfuric acid, formic acid, and phenolic acid.

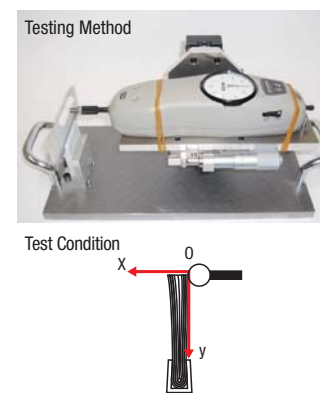
Thunderon®
 Thunderon® is an organic conductive fiber made by copper sulfide chemically bonded to acrylic fiber, more flexible than thin wire and carbon fiber materials and has excellent wear resistant characteristics. Use for anti-static measures. The conductive fiber has static neutralizing functionality.

Filament Diameter of Channel Brush (For 30mm H)



Part Number (Filament Material)	Filament Diameter (No)	Features
BRUN (6 Nylon)	0.2	Feel of Tooth Brush (Normal)
	0.3	Harder than Tooth Brush (Hard)
	0.5	Feel of Deck Brush
BRUSE (Thunderon®)	0.075	Diameter of average human hair.

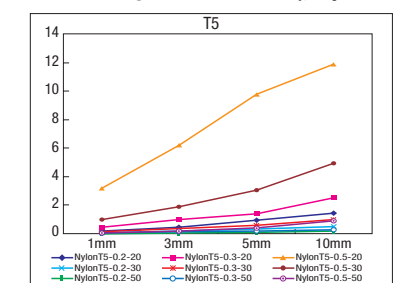
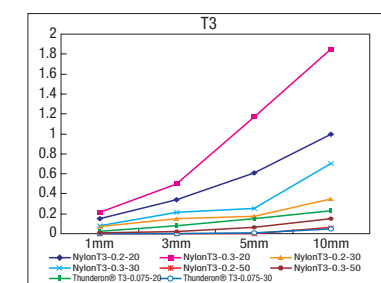
Elasticity Test of Channel Brush



Loads are measured while the filament tip (y0~1mm) is pushed in X direction to cause the leaning of 1 · 3 · 5 and 10mm. Actual measurements are for reference only. Not a guarantee.

Model No. (Material)	T	Filament Diameter (No)	Filament Length (H) mm	Load(N) in X mm Direction			
				1mm	3mm	5mm	10mm
				See the test condition on the left			
BRUN (6 Nylon)	5	0.2	20	0.18	0.45	0.95	1.45
		0.3	20	0.45	0.98	1.40	2.50
		0.5	20	3.20	6.20	9.80	11.90
		0.2	30	0.05	0.16	0.33	0.50
		0.3	30	0.13	0.34	0.60	0.98
		0.5	30	1.00	1.90	3.05	4.95
	3	0.2	50	0.01	0.06	0.07	0.16
		0.3	50	0.06	0.15	0.16	0.26
		0.5	50	0.06	0.20	0.42	0.88
		0.2	20	0.15	0.34	0.61	1.00
		0.3	20	0.21	0.50	1.17	1.85
		0.5	20	0.07	0.15	0.17	0.35
BRUSE (Thunderon®)	3	0.2	50	-	-	-	0.06
		0.3	50	0.01	0.02	0.06	0.15
	5	0.075	20	0.02	0.08	0.15	0.23
		0.075	30	-	-	0.01	0.05

Ⓢ Values are for reference only, not guaranteed.



Notes on use

- Brush service life will vary depending on usage conditions and frequency. The filaments may break or fall out depending on usage condition. Do not unduly tug on the filaments.
- Maximum temp limit for the filaments is 100°C. The filaments will melt and fall off at above 100°C.
- 6 Nylon dissolves in strong hydrochloric acid, sulfuric acid, formic acid, and phenolic acid.
- Brush press contact length should be 2mm or less. Do not press further than necessary.
- Do not disassemble the brush.
- Do not bend the Channel Brush
- The Channel Brush has ±2mm bow/bend per L100mm.
- Use the brush at less than 1000RPM.

Use and storage cautions

- For storage, care should be taken that the filaments are plastically deformed. If the brush is left in contact with work/fixture while in storage, the filaments may be deformed permanently. Additionally, avoid filament tips from contacts when storing the brush by itself.
- Dry before storage.
- Remove any foreign objects from the brush.
- Do not use in high temp. environment or near fire.