



CONDUCTIVE TEXTILE 4711

Very easy to apply to plastic housings to create an EMI-shielded housing



Conductive textile is made of a nylon rip stop fabric, metallized with Cu/Ni, extremely strong and flexible. It has conductivity in all directions, i.e. along the axes X, Y and Z. Conductive textile can be supplied as a cloth or as pressure-sensitive adhesive (PAS) tape which is easy to apply to plastic housings in order to cover complex forms and shapes. Conductive textile has low contact resistance and the tape version has superior adhesive force. The product shields electromagnetic interference (EMI) effectively.

Laminates of metal foils with flame-retardant Nomex or Valox are also available. See our Mu-copper tapes or Amucor tapes.

OPTIONS

- Flame-retardant version
- With (conductive) self-adhesive backing
- With insulation layer
- Die-cutting to any shape

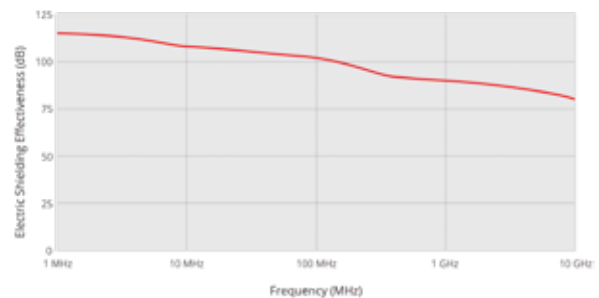
ADVANTAGES

- Easily follows the contours of your housing
- Flame retardant
- Extremely strong
- Corrosion free
- Can be applied as die cut parts, as a sheet or in roll form

APPLICATIONS

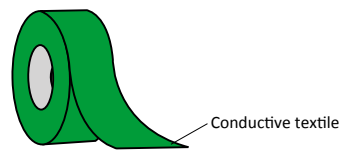
- Shielding plastic enclosure parts
- Shielding all non-conductive materials
- Ground plane
- Anti static floor
- Electrical connection between surfaces (sheets/foils)
- Die-cuts
- Shielding in housings
- Shielding cables
- Temporary shielding during tests

SHIELDING PERFORMANCE* (0.10MM THICK)



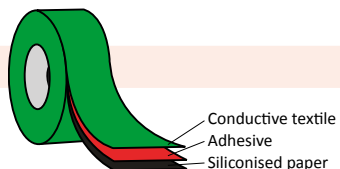
4711 - CONDUCTIVE TEXTILE CLOTH

Our conductive textile cloth can be delivered on rolls or as a sheet. The cloth can also be cut into any desired shape according to a customer's CAD drawing.



4712 - CONDUCTIVE TEXTILE TAPE WITH STANDARD ADHESIVE

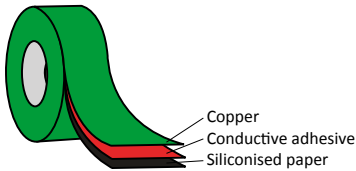
Our conductive textile tape with standard non-conductive adhesive on the back can be supplied on rolls. The tape is easy to use, e.g. for shielding cables. After application of the tape, the cables remain flexible.



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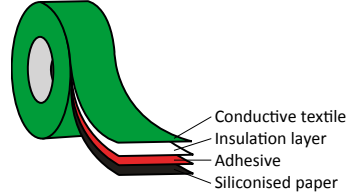
4713 - CONDUCTIVE TEXTILE TAPE WITH CONDUCTIVE ADHESIVE

Our conductive textile tape with conductive adhesive on the back can be supplied on rolls. The tape is easy to use, e.g. for shielding cables. After application of the tape, the cables remain flexible.



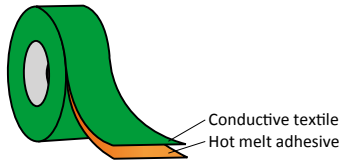
4714 / 4715 - CONDUCTIVE TEXTILE TAPE WITH INSULATION LAYER

Our conductive textile tape with adhesive on the back can be supplied with a 0.15mm thick white insulation layer or with a 0.22mm thick black one, and can be delivered on rolls.



4721 - CONDUCTIVE TEXTILE WITH HOT-MELT ADHESIVE (FLAME RETARDANT LEVEL: UL94V0)

Our conductive textile with hot-melt adhesive is flame retardant to the level of UL94V0.



ORDER EXAMPLE

Part number	Width (mm)	Length (mm)
4711 : Conductive textile fabric 4712 : Conductive textile tape (with standard adhesive) 4713 : Conductive textile tape (with conductive self-adhesive) 4714 : Conductive textile tape (with insulation layer 0.15mm white) 4715 : Conductive textile tape (with insulation layer 0.22mm black) 4721 : Conductive textile with hot melt adhesive (Flame retardant level:UL94V0)	Specify the desired width in mm. When you order Conductive textile tape (part number 4713) this generally is 25mm	Specify the desired length in mm. When you order Conductive textile tape (part number 4713) this generally is 16.5 meters (16500mm)
Top finish		
	#01 : without insulation layer #02 : with insulation layer #03 : with flame retardant insulation layer #04 : with conductive self-adhesive layer	

TECHNICAL SPECIFICATIONS & PART NUMBERS

Item	Unit	4711	4712	4713	4714/4715	4721	Test standard
Type		Conductive textile cloth	Conductive textile tape with standard adhesive	Conductive textile tape with conductive adhesive	4714 Conductive textile tape with standard adhesive and 0.15mm white insulation layer 4715 Conductive textile tape with standard adhesive and 0.22mm black insulation layer	Conductive textile with hot-melt adhesive (Flame retardant level: UL94V0)	
Max. width	mm	1300mm	1070mm	1300mm	1300mm	700mm	GB/T4667-1995
Thickness	mm	0.08±0.02	0.08±0.02	0.11±0.02	0.11±0.02/0.28±0.02	0.16 ± 0.02	FZ/T01003-1991
Weight	gr/m ²	70±10	70±10	120±10	135±10	240 ± 10	GB/T4669-1995
Fabric density	T	260	260	260	260	260	
Textile		Plain wave				Ripstop	
Flame-retardant level		UL94V0					
Shielding effectivity	dB	> 60 dB in 10 MHz-3 GHz					SJ20524-1995
Surface resistivity	Ω/sq	<0.05					ASTM F390
Coating component	-	Cu+Ni					
Basic material	-	Polyester					
Storage conditions	-	-20°C- 40°C, Relative humidity < 65%					
Notice	-	Some people develop a skin allergy after prolonged contact					
Standard roll width (mm)		10, 25, 50, 100 *Any roll width available on request		Roll length	Min. 16.5m (standard) *other roll length on request		

These values are measured under laboratory conditions.