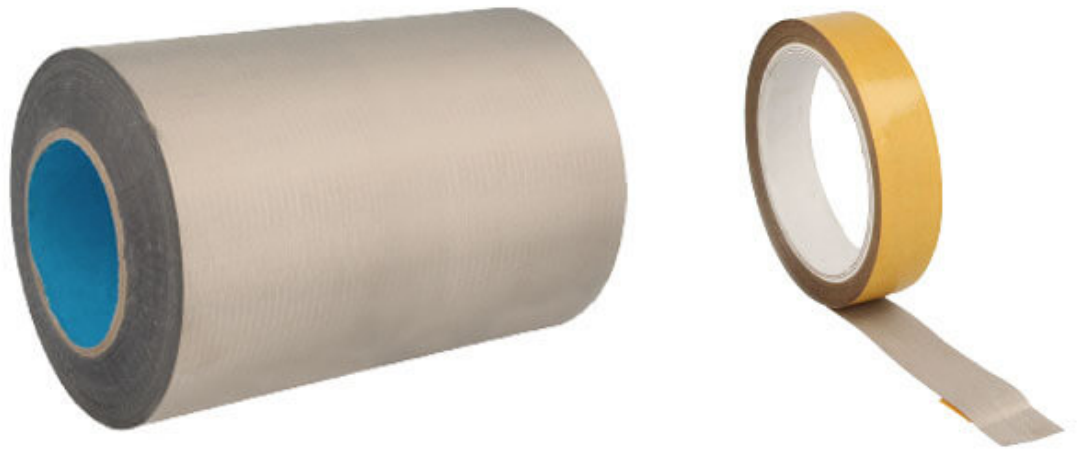


## Conductive textile



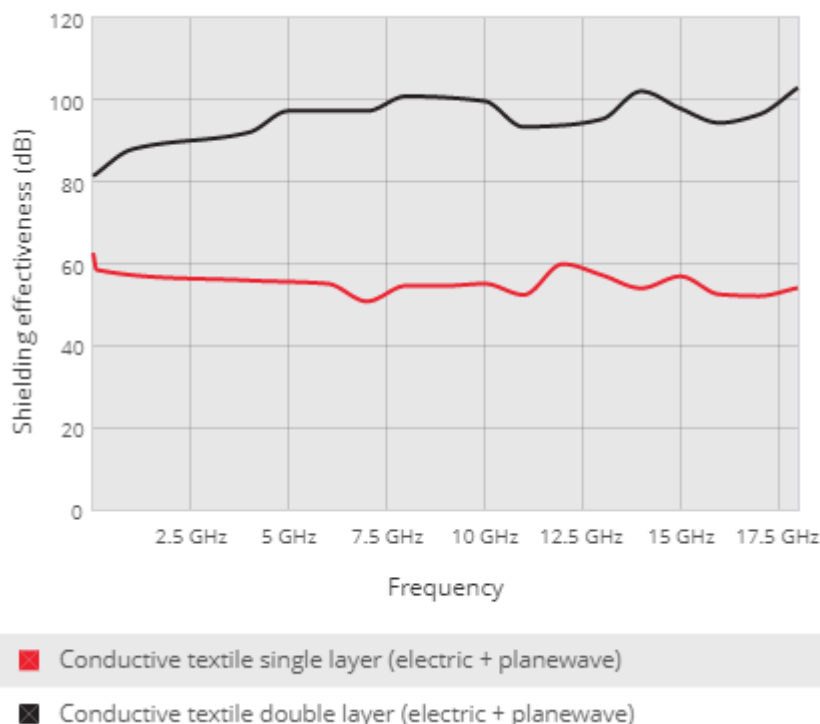
### Conductive textile

Conductive textile and textile tape are very easy to apply to plastic housings to create an EMI-shielded housing. Conductive textile is made of a polyester, 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.

Our engineers can help you develop the right design to create overlaps, holes or connectors, cables and spuds.

### Conductive textile single and double shielding performance



**Please note :** These values are measured under laboratory conditions. Results may vary in other situations; please read our Guarantee.

## Conductive textile

### 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
- Antistatic floor
- Electrical connection between surfaces (sheets/foils)
- Die-cuts
- Shielding in housings
- Shielding cables
- Temporary shielding during tests

### Options

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



We've also developed a fabric that can be washed. See also our washable conductive fabric with stainless steel [click here](#).

## Conductive textile



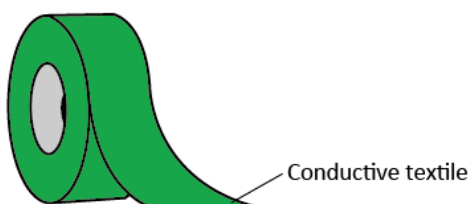
Conductive textile is also used to make Shielded tents, Protective clothing, bags, etc.



Conductive textile tape can be cut to any width

### Part numbers

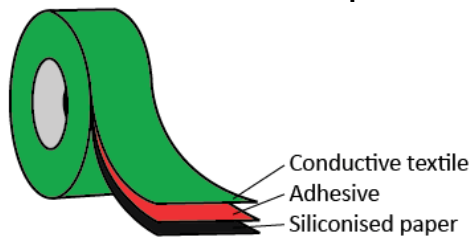
#### 4711 - Conductive textile cloth



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.

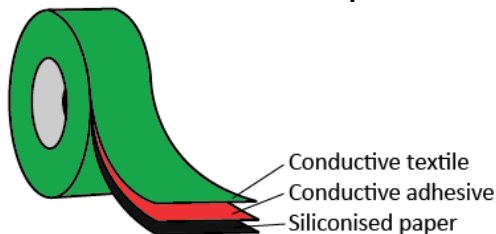
## Conductive textile

### 4712 - Conductive textile tape with standard adhesive



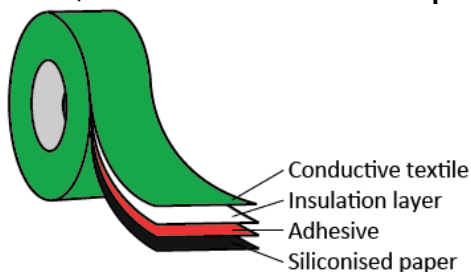
Our conductive textile tape with standard non-conductive adhesive on the back can be supplied on rolls. The tape is easy to use, e.g. for shielding cables. After application of the tape, the cables remain flexible.

### 4713 - Conductive textile tape with conductive adhesive



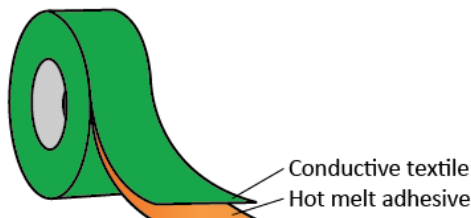
Our conductive textile tape with conductive adhesive on the back can be supplied on rolls. The tape is easy to use, e.g. for shielding cables. After application of the tape, the cables remain flexible.

### 4714 / 4715 - Conductive textile tape with insulation layer



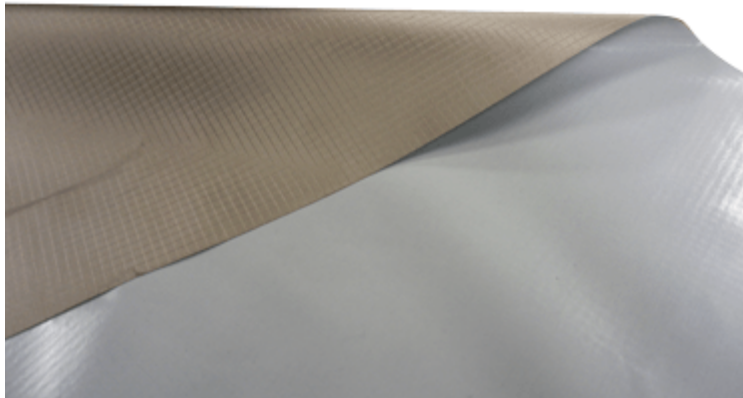
Our conductive textile tape with adhesive on the back can be supplied with a 0.15 mm thick white insulation layer or with a 0.22 mm thick black one, and can be delivered on rolls.

### 4721 - Conductive textile with hot-melt adhesive (flame retardant level: UL94V0)



4721 - Conductive textile with hot-melt adhesive (flame retardant level: UL94V0)

## Conductive textile



### Technical specifications

Item	Unit	4711	4712	4713	4714/4715	4721
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. roll width	mm	1400 mm	1000 mm	1000 mm	1000 mm	700 mm
Thickness	mm	0.08±0.2	0.08±0.2	0.11±0.2	0.23±0.2 / 0.30±0.2	0.16 ± 0.2
Weight	gr/m <sup>2</sup>	70±10	70±10	120±10	135±10	240 ± 10
Fabric density	T	260	260	260	260	260
Textile		Plain wave	Plain wave	Plain wave	Plain wave	Ripstop
Flame-retardant level		-	-	-	-	UL94V0
Shielding effectivity	dB	> 60 dB in 10 MHz-3 GHz				
Surface resistivity	Ω/sq	<0.05				
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	

Part number	Width (mm)	Length (mm)
<b>Select an option:</b>		
4711 : Conductive textile fabric	Specify the desired width in mm. When you order	Specify the desired length in mm. When you order
4712 : Conductive textile tape (with standard adhesive)	Conductive textile tape (part number 4713) this generally is 25 mm	Conductive textile tape (part number 4713) this generally is 16.5 meters (16500 mm)
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)		

\* Note: The **red** blocks are required