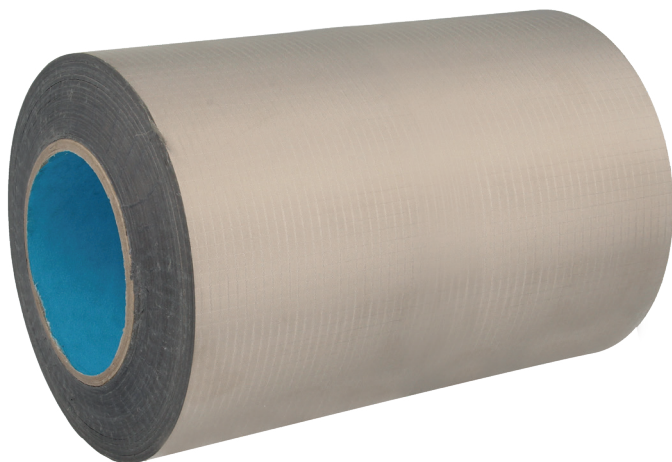


CONDUCTIVE TEXTILE 4711

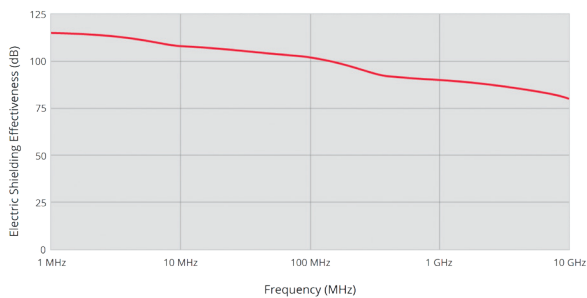
Very easy to apply to plastic housings to create an EMI-shielded housing



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.

SHIELDING PERFORMANCE* (0.10MM THICK)



■ 4711 conductive textile single layer

OPTIONS

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

ADVANTAGES

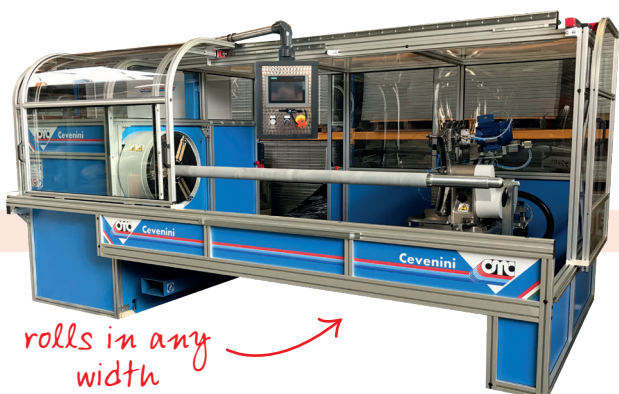
- Easily follows the contours of your housing
- Flame retardant
- Extremely strong
- Can be applied as die cut parts, as a sheet or in roll form

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

ORDER EXAMPLE

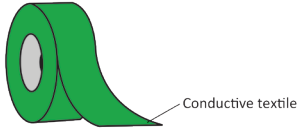
Part number	Width (mm)	Length (mm)
4711 : Conductive textile fabric	Specify the desired width in mm.	Specify the desired length in mm.
4712 : Conductive textile tape (with standard adhesive)	When you order Conductive textile tape (part number 4713) this generally is 25mm	When you order Conductive textile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



rolls in any width →

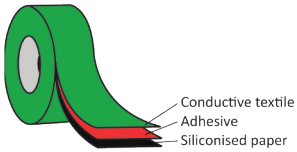
» CONDUCTIVE TEXTILE 4711

4711 - CONDUCTIVE TEXTILE CLOTH



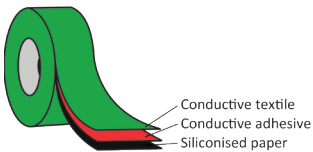
Conductive textile cloth can be delivered on rolls or as a sheet. The cloth can also be cut into any desired shape according to a customer's CAD drawing.

4712 - CONDUCTIVE TEXTILE TAPE WITH STANDARD ADHESIVE



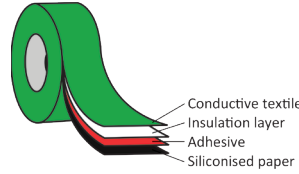
Conductive textile tape with standard non-conductive adhesive on the back can be supplied on rolls. The tape is easy to use, e.g. for shielding cables. After application of the tape, the cables remain flexible.

4713 - CONDUCTIVE TEXTILE TAPE WITH CONDUCTIVE ADHESIVE



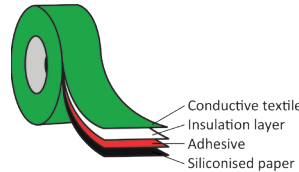
Conductive textile tape with conductive adhesive on the back can be supplied on rolls. The tape is easy to use, e.g. for shielding cables. After application of the tape, the cables remain flexible.

4714 - CONDUCTIVE TEXTILE TAPE WITH INSULATION LAYER



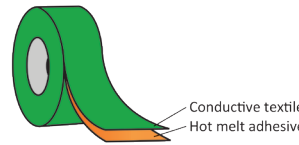
Conductive textile tape with adhesive on the back can be supplied with a 0.15 mm thick white insulation layer and can be delivered on rolls.

4715 - CONDUCTIVE TEXTILE TAPE WITH INSULATION LAYER



Conductive textile tape with adhesive on the back can be supplied 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)



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

TECHNICAL SPECIFICATIONS & PART NUMBERS

Specification	4711	4712	4713	4714	4715	4721
Construction						
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	1400 mm	1000 mm	1300 mm	1000 mm	1000 mm	700 mm
Thickness mm	0.08 ±0.02	0.10 ±0.02	0.11 ±0.02	0.23 ±0.02	0.30 ±0.02	0.16 ±0.02
Weight gr/m2	70 ±10	70 ±10	120 ±10	135 ±10	135 ±10	240 ± 10
Fabric density	260	260	260	260	260	260
Textile			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	

These values are measured under laboratory conditions.