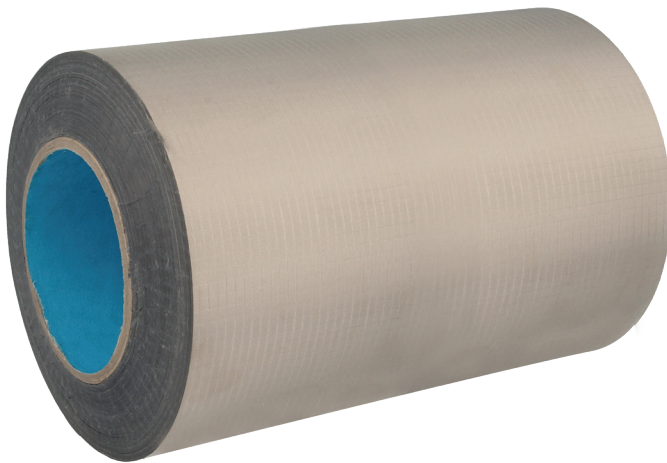


Conductive textile 4711

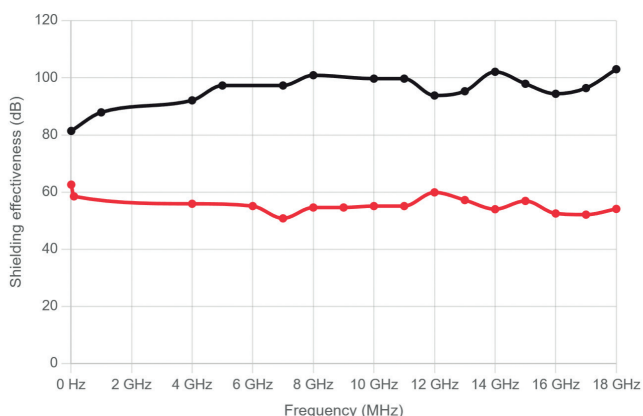


Conductive textile is made of a polyester, metallized with Cu/ Ni, extremely strong and flexible. It has conductivity in all directions, i.e. along the axes X, Y and Z. Conductive textile can be supplied as a cloth or as pressure-sensitive adhesive (PAS) tape which is easy to apply to plastic housings 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

4711 - Conductive textile single layer and double layer - shielding performance



■ Conductive textile single layer (electric + planewave)
 ■ Conductive textile double layer (electric + planewave)

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

Options

- With hot melt adhesive (Flame-retardant level UL94V0)
- With (conductive) self-adhesive backing
- With insulation layer
- Die-cutting to any shape

Technical specifications

Surface resistivity Ω/sq	<0.05
Coating component	Cu+Ni
Basic material	Polyester
Material thickness	0.09 mm $\pm$ 0.02
Fabric density	T 260
Storage conditions	-20°C - +40°C, Relative humidity < 65%
Storage conditions	-20°C - +40°C, Relative humidity < 65%
Notice	Some people develop a skin allergy after prolonged contact

» Conductive textile 4711

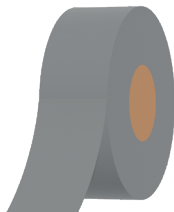
Part numbers

Conductive textile cloth

4711

Max. width 1300 mm
Thickness 0.09 mm ± 0.02

- Conductive textile

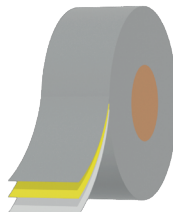


Conductive textile with standard adhesive

4712

Max. width 1000 mm
Thickness 0.14 mm ± 0.02

- Conductive textile
- Standard adhesive
- Siliconised paper

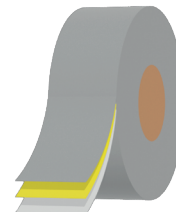


Conductive textile with conductive adhesive

4713

Max. width 1000 mm
Thickness 0.16 mm ± 0.02

- Conductive textile
- Conductive adhesive
- Siliconised paper

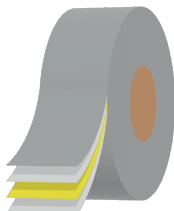


Conductive textile with insulation layer

4714

Max. width 1000 mm
Thickness 0.26 mm ± 0.02

- Conductive textile
- White insulation layer
- Standard adhesive
- Siliconised paper

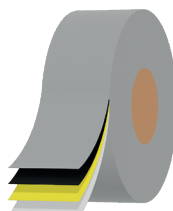


Conductive textile tape with insulation layer

4715

Max. width 1000 mm
Thickness 0.32 mm ± 0.02

- Conductive textile
- Black Insulation layer
- Standard adhesive
- Siliconised paper

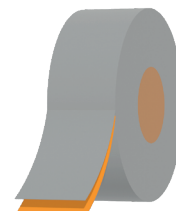


Conductive textile with hot-melt adhesive (UL94V0)

4721

Max. width 700 mm
Thickness 0.18 mm ± 0.02

- Conductive textile
- Hot melt adhesive



Notive: Tape thickness is the total thickness without liner

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 0.18 mm white) 4715 : Conductive textile tape (with insulation layer 0.25 mm 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. Standard roll length is 16.5 meters (16500 mm)

*Notice

Information supplied in these data sheets is based on independent and laboratory tests which Holland Shielding Systems BV, hereafter referred to as HSS believes to be reliable. HSS has no control over the design of customer's product which incorporates products, therefore it is the responsibility of the user to determine the suitability for his particular application and we recommend that the user make his own test to determine suitability.

The product described in this data sheet shall be of standard quality, however the products are sold without warranty of fitness for a particular purpose, either expressed or implied, except to the extent expressly stated on HSS invoice, quotation or order acknowledgment. HSS does not warrant that products described in this data sheet will be free of conflict with existing or future patents of third parties. All risks of lack of fitness, patent infringement and the like are assumed by the user.