

STRETCHABLE | CONDUCTIVE | PRINTABLE

Product-no. Flexink-conductive-115-00xx

Version 03/ 2018

## Product description

Flexink-conductive is an electrically high conductive and highly elastic ink for printing on flexible and elastic substrates. Flexink-conductive is ideally suited for the production of printed electrodes or connectors due to high extensibility and conductivity.

## Properties

Selected properties of Flexink-conductive-115-00xx: are shown in the table.

## Processing

Flexink-conductive-115-00xx is designed for [Screen Printing](#).

## Substrates

- Elastomers, Rubber, PU
- Direct- and transfer printing of Textiles,

## Printing Conditions. Drying & Cleaning

All types of polyester or stainless-steel fabric can be used, we recommend a system 43 x80 for Textile and 120 x35 for Polymersubstrates.

For drying we recommend a convective drying System. For cleaning we offer our special cleaner Flexink clean.

## Storage

Keep container tightly closed. Use Flexink-conductive within 6 months of delivery.

## Health and safety

Always wear safety goggles and gloves when handling Flexink. Use only in well-ventilated areas. For detailed safety information, please refer to the MSDS.

## Contact

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## Physical Properties: Flexink-conductive-115-00xx

Material	Stabilized copper flakes
Density	~ 2.3 g/cm <sup>3</sup>
Surface tension	~ 26 mN/m
Viscosity	~ 830 mPa·s
Strain	> 300 %
Specific resistivity <sup>#</sup>	< 2.1 x10 <sup>-3</sup> Ωm

<sup>#</sup> unstretched

The information presented is based on our current knowledge. They are intended to be used to show possible areas of use and do not constitute a substitute for their own investigations into the usability of end products of the customer. All measurements are carried out to the best of our knowledge and belief. Depending on the boundary conditions, measured values may differ.