

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001
- IIP (Investors in People)

## INDUSTRIES AND APPLICATIONS



## Collective Shield - EMC Screening Tube

### Typical uses

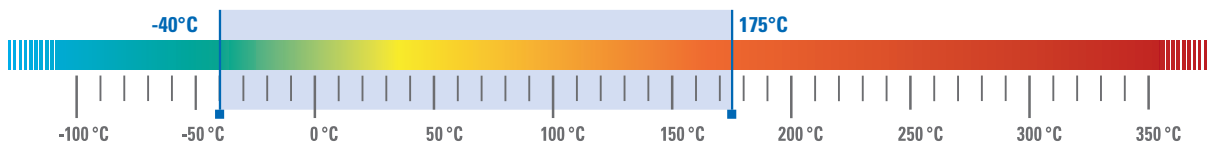
- Automotive industry
- E-mobility / hybrid

### Key properties

- Long-term heat resistance of -40°C to +175°C
- Short-term heat resistance up to +200°C
- Labor-tested EMC-Protection
- Screening attenuation 55 dB at 30 MHz to 1 GHz
- Transfer impedance 42 mOhm/m at 1 MHz, 195 mOhm/m at 10 MHz,
- DC resistance 0.5 mOhm/m
- Very high abrasion resistance
- Very good flexibility and stretchability
- Good corrosion resistance
- Halogen free
- Width: 50 mm - for a diameter range of 50 mm to 70 mm



### Application temperature



### Product description

The COLLECTIVE SHIELD is a flexible EMC protective hose made of braided copper wire (tin-plated). The collective shield has extremely high flexibility and extensibility. Thanks to the outstanding laboratory-tested electromagnetic compatibility (= EMC protection) of the braided copper hose, the collective shield can be used in areas where high shielding action and current carrying capacity are needed – for example, in unshielded vehicle electrical systems between electronics and engine (electric motor). Thanks to its outstanding extensibility, the COLLECTIVE SHIELD can very easily be installed over the cable product to be protected as well as over a connecting plug.

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## Certified management system by:

- IATF16949
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TECHNICAL DATASHEET

## INDUSTRIES AND APPLICATIONS



## Collective Shield - EMC Screening Tube

### Ecology, Environment & Safety

Ingredients compliant with VDA - requirements

IMDS listed

RoHS, GADSL compliant

Non-asbestos, contains no fiberglass, physiologically harmless, non-toxic, halogen free

### BIW-Standard dimensions

#### Collective Shield - EMC Screening Tube (Code: MSS)

On demand individual dimensions available at any time

| ID [mm]  | Tol. ID [mm] | Wd [mm] | Tol. Wd [mm] | Ring [m] |
|----------|--------------|---------|--------------|----------|
| Width 50 | ±10          | 1.0     | ±0.30        | 25       |