
Textile Braided Sleeving H/GS SV6 UL

The H/GS SV6h UL-sleeving consists of a glass yarn with a polymer coating of silicone.

Attributes

The H/GS SV6 UL sleeving is flexible, non-transparent and available in various colours. The glass fiber sleeving ensures very good mechanical properties at high temperatures up to class H (180 °C). It is applicable for temperature ranges between -60 and +250 °C. The sleeving shows a good resistance to UV as well as transformer oils and liquid fuels which do not lead to a decomposition. It is also halogen-free and watertight.

Standards

- Temperature class H (180°C)
- HL1, HL2 and HL3 acc. to railway standard DIN EN 45545
- In accordance with:
 - EN (CEI) 60684-3, sheet 400 to 402 (02/2003)
 - EN 60684-1 (10/2003)
 - EN 60684-2 (07/2012)
 - EN 60695-2-11 (09/2014)
- Manufactured acc. to IEC standard
- Homologation UL 1441 / CSA C22.2 No. 198.3
 - Grade A silicone covered fiberglass sleeving
 - rated 200 °C, 600 V
 - file-no. UZFT2/8 - E468446
- Flamability class VW-1 for red (ID: 0.64 - 50 mm) and black (ID: 10 - 50 mm)
- Horizontal flamability for black (ID: <10 mm)

Delivery forms

Packaging:

0.5 mm: 400 m
0.8 to 1.5 mm: 300 m
2 to 6 mm: 200 m
7 to 12 mm: 100 m
13 to 20 mm: 50 m
22 to 25 mm: 25 m
26 to 50 mm: 30 m

Color

Standard colour: Black and brick red (other colours on request)

| Dimension | Unit of measure | | | | | | |
|---------------------|-----------------|--------|--------|--------|--------|--------|--------|
| Inner diameter (ID) | mm | 0.5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 |
| Tolerance (ID) | mm | ± 0.10 | ± 0.20 | ± 0.20 | ± 0.20 | ± 0.20 | ± 0.20 |

| Dimension | Unit of measure | | | | | | |
|---------------------|-----------------|--------|--------|--------|--------|--------|--------|
| Inner diameter (ID) | mm | 3.5 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 |
| Tolerance (ID) | mm | ± 0.20 | ± 0.25 | ± 0.25 | ± 0.25 | ± 0.25 | ± 0.25 |

| Dimension | Unit of measure | | | | | | |
|---------------------|-----------------|--------|--------|-------|-------|-----|-----|
| Inner diameter (ID) | mm | 9.0 | 10 | 12 | 14 | 16 | 18 |
| Tolerance (ID) | mm | ± 0.25 | ± 0.50 | ± 0.5 | ± 0.5 | ± 1 | ± 1 |

| Dimension | Unit of measure | | | | | | |
|-----------|-----------------|--|--|--|--|--|--|
|-----------|-----------------|--|--|--|--|--|--|

| Dimension | Unit of measure | | | | | | |
|---------------------|-----------------|----|----|----|----|----|----|
| Inner diameter (ID) | mm | 20 | 22 | 25 | 30 | 35 | 40 |
| Tolerance (ID) | mm | ±1 | ±1 | ±1 | ±1 | ±1 | ±1 |

| Dimension | Unit of measure | | |
|---------------------|-----------------|----|----|
| Inner diameter (ID) | mm | 45 | 50 |
| Tolerance (ID) | mm | ±1 | ±1 |

| Thermal | Unit of measure | Values |
|------------------|-----------------|----------------|
| Thermal class | °C | H (180) |
| Application area | °C | -60 up to +250 |

| Electrical | Unit of measure | Values | Test method |
|---------------------|-----------------|--------|--------------|
| Dielectric strength | kV | min. 7 | DIN EN 60684 |