
H/GS SV2 UL textile braided sleeving, glass fibre fabric

The H/GS SV2 UL sleeving consists of a glass yarn sleeving with a polymer coating of modified silicone.

Attributes

H/GS SV2 UL is flexible, elastic and water-resistant. The glass fabric sleeving ensures very good mechanical properties even at very high temperatures up to class H (180 °C).

Application

The H/GS SV2 UL sleeving is generally used as mechanical protection for cables and enamelled copper wires if very high thermal resistance is required. It offers additional insulation in electrical machines and electrical engineering equipment as well as in some electronic applications.

Standards

Thermal class H (180 °C) - short-term up to 250 °C

RoHS compliant according to 2002/95 EU

REACH compliant according to 1907/2006 EG

UL: UZIQ2 E517788

Delivery forms

Standard colour: nature (up to ID 20)

Inner diameter Format example

≤ 3.0 mm 200 m loose windings

5.0-12.0 mm 100 m cardboard ring

> 3.0 mm 50 m cardboard ring

Further dimensions, colours and formats on request. All dimensions can be delivered in adapted lengths.

| Mechanical | Unit of measure | | | | | | |
|-----------------------------|-----------------|-------|-------|-------|-------|-------|-------|
| Inner diameter (ID) | mm | 0.5 | 0.8 | 1.0 | 1.5 | 2.0 | 2.5 |
| ID - tolerance one-sided | mm | +0.3 | +0.3 | +0.3 | +0,3 | +0.3 | +0.3 |
| Wall thickness (wt) nominal | mm | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| Tolerance (wt) | mm | ±0.12 | ±0.12 | ±0.12 | ±0.12 | ±0.12 | ±0.12 |

| Mechanical | Unit of measure | | | | | | |
|-----------------------------|-----------------|-------|-------|-------|-------|-------|-------|
| Inner diameter (ID) | mm | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 6.0 |
| ID - tolerance one-sided | mm | +0.3 | +0.3 | +0.3 | +0.3 | +0.3 | +0.3 |
| Wall thickness (wt) nominal | mm | 0.51 | 0.51 | 0.51 | 0.51 | 0.55 | 0.55 |
| Tolerance (wt) | mm | ±0.13 | ±0.13 | ±0.13 | ±0.13 | ±0.15 | ±0.15 |

The information on this data sheet is based on the information provided by our supplier. It does not represent any specification or agreements regarding conditions or properties. The indicated values are standard values. Deviations from those values due to production and application cannot be excluded. The information on this data sheet is addressed to experts who use it at their own discretion and at their own risk. We do not guarantee results, or accept liability for the indicated specifications or for results obtained based on the specifications. Please contact us for more detailed information. Non-toxic and toxic substances are listed on the safety data sheet.

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| Mechanical | Unit of measure | | | | | | |
|-----------------------------|-----------------|-------|-------|-------|-------|-------|-------|
| Inner diameter (ID) | mm | 7.0 | 8.0 | 9.0 | 10.0 | 12.0 | 14.0 |
| ID - tolerance one-sided | mm | +0.3 | +0.3 | +0.3 | +0.3 | +0.3 | +0.3 |
| Wall thickness (wt) nominal | mm | 0.55 | 0.55 | 0.66 | 0.66 | 0.66 | 0.80 |
| Tolerance (wt) | mm | ±0,15 | ±0.15 | ±0.18 | ±0.18 | ±0.18 | ±0.18 |

| Mechanical | Unit of measure | | | |
|-----------------------------|-----------------|-------|-------|-------|
| Inner diameter (ID) | mm | 16.0 | 18.0 | 20.0 |
| ID - tolerance one-sided | mm | +0.3 | +1.0 | +1.0 |
| Wall thickness (wt) nominal | mm | 0.80 | 0.93 | 0.93 |
| Tolerance (wt) | mm | ±0.18 | ±0.27 | ±0.27 |

| Electrical | Unit of measure | |
|---------------------|-----------------|---|
| Dielectric strength | kV | 4 |

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