SynFlex Elektro GmbH
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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: Nature (other colours on request)

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Updated 05/24

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Dimension	Unit of measure						
Inner diameter (ID)	mm	0.5	0.8	1.0	1.5	2.0	2.5
Tolerance (ID)	mm	± 0.10	± 0.10	± 0.20	± 0.20	± 0.20	± 0.20

Dimension	Unit of measure						
Inner diameter (ID)	mm	3.0	3.5	4.0	5.0	6.0	7.0
Tolerance (ID)	mm	± 0.20	± 0.20	± 0.25	± 0.25	± 0.25	± 0.25

Dimension	Unit of measure						
Inner diameter (ID)	mm	8.0	9.0	10	12	14	16
Tolerance (ID)	mm	± 0.25	± 0.50	± 0.50	± 0.50	± 0.50	±1

Dimension	Unit of measure						

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Dimension	Unit of measure						
Inner diameter (ID)	mm	18	20	22	25	30	35
Tolerance (ID)	mm	±1	±1	±1	±1	±1	±1

Dimension	Unit of measure			
Inner diameter (ID)	mm	40	45	50
Tolerance (ID)	mm	±1	±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

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