SynFlex Elektro GmbH
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Textile Braided Sleeving H/GS

The H/GS sleeving is a textile braided sleeving with a polymer coating of silicone-elastomer.

Attributes

H/GS is flexible, non-transparent and available in natural as standard colour (other colours on request). The textile braided sleeving ensures very good mechanical properties even at very high temperatures up to class H (180 °C) and short-term up to 230 °C.

Application

The H/GS 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 in the low voltage range as well as in some electronic applications.

Standards

Thermal class H (180 °C)
DIN EN 60684-3 sheet 401:2002

Delivery forms

Standard: natural up to ID 20
Special colours available on request.

0.5 – 2.0 mm 200 m
2.0 – 3.5 mm 100 m spool
4.0 – 10.0 mm 100 m cardboard core
11.0 – 16.0 mm 50 m cardboard core
from 16.0 mm - 1 m sections

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

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Dimension	Unit of measure						
Inner diameter (ID)	mm	0.3	0.5	0.8	1.0	1.5	2.0
Tolerance (ID)	mm	+ 0.10	+ 0.20	+ 0.20	+ 0.40	+ 0.40	+ 0.40
Wall thickness (wt) min.	mm	0.15	0.20	0.20	0.20	0.20	0.20
Wall thickness (wt) max.	mm	0.30	0.50	0.50	0.60	0.60	0.70

Dimension	Unit of measure						
Inner diameter (ID)	mm	2.5	3.0	4.0	5.0	6.0	8.0
Tolerance (ID)	mm	+ 0.40	+ 0.40	+ 0.50	+ 0.50	+ 0.50	+ 0.50
Wall thickness (wt) min.	mm	0.20	0.20	0.30	0.30	0.30	0.30
Wall thickness (wt) max.	mm	0.70	0.70	0.70	0.70	0.70	1.00

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Dimension	Unit of measure			
Inner diameter (ID)	mm	10.0	12.0	16.0
Tolerance (ID)	mm	+ 1.00	+ 1.00	+ 2.00
Wall thickness (wt) min.	mm	0.40	0.40	0.40
Wall thickness (wt) max.	mm	1.00	1.20	1.20

Thermal	Unit of measure	Values
Thermal class	°C	H (180)
Application range	°C	-45 up to 230

Electrical	Unit of measure	Values	Test method
Insulation resistance	Ω	min. 10^5	DIN EN 60684
Dielectric strength	kV	min. 4	DIN EN 60684-sheet 401

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