SynFlex Elektro GmbH
Auf den Kreuzen 24
D-32825 Blomberg Germany
Telefon +49-5235-968-0
E-Mail info@synflex.de

Textile Braided Sleeving F/GS

The F/GS sleeving consists of a of a glass yarn sleeving with a polymer coating of PUR. .

Attributes

The F/GS sleeving is flexible, non-transparent and available in various colours. The glass fabric sleeving ensures very good mechanical properties at high temperatures up to class F (155 °C). It is applicable for temperature ranges between -20 and +155 °C. It is resistant against chemicals, oils and lubricants.

Application

The F/GS sleeving is used as additional mechanical protection for connecting cables and winding wires at high temperatures and mechanical loads. It also provides additional insulation in electrical machines and transformers as well as in some electronic applications.

Standards

Thermal class F (155 °C)
In accordance with DIN EN 60684-3, sheet 409:1999

Delivery forms

Standard colour: natural - up to ID 30 mm.
Black up to ID 12
Yellow, green, red up to ID 6.
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 14.0 mm - 1 m sections

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

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Updated 05/24

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Dimension	Unit of measure						
Inner diameter (ID)	mm	0.5	0.8	1	1.5	2	2.5
Tolerance (ID)	mm	+0.30	+0.40	+0.40	+0.40	+0.40	+0.40
Wall thickness (wt) nominal	mm	0.5	0.5	0.5	0.5	0.5	0.5
Tolerance (wt)	mm	±0.15	±0.15	±0.15	±0.15	±0.15	±0.15

Dimension	Unit of measure						
Inner diameter (ID)	mm	3	3.5	4	4.5	5	6
Tolerance (ID)	mm	+0.50	+0.50	+0.50	+0.50	+0.50	+0.50
Wall thickness (wt) nominal	mm	0.5	0.5	0.5	0.5	0.5	0.5
Tolerance (wt)	mm	±0.15	±0.15	±0.15	±0.15	±0.15	±0.15

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Dimension	Unit of measure						
Inner diameter (ID)	mm	7	8	9	10	12	14
Tolerance (ID)	mm	+0.50	+0.60	+0.60	+0.60	+0.60	+1.00
Wall thickness (wt) nominal	mm	0.5	0.7	0.7	0.7	0.7	0.7
Tolerance (wt)	mm	±0.15	±0.30	±0.30	±0.30	±0.30	±0.30

Dimension	Unit of measure	
Inner diameter (ID)	mm	16
Tolerance (ID)	mm	+1.00
Wall thickness (wt) nominal	mm	0.7
Tolerance (wt)	mm	±0.30

Meter sections	Unit of measure						
Inner diameter (ID)	mm	14	16	18	20	26	30

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Meter sections	Unit of measure						
Tolerance (ID)	mm	±0.5	±0.5	±0.5	±0.5	±0.6	±0.6
Wall thickness (wt) nominal	mm	0.7	0.7	0.7	0.7	1.0	1.2
Tolerance (wt)	mm	±0.30	±0.30	±0.30	±0.30	±0.50	±0.50

Thermal	Unit of measure	Values
Thermal class	°C	F (155)
Application range	°C	-20 up to 155

Electrical	Unit of measure	Values	Test method
Dielectric strength	kV	min. 4	DIN EN 60684

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