SynFlex Elektro GmbH
Auf den Kreuzen 24
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Textile braided sleeving F/GS UL

The F/GS UL sleeving consists of a glass yarn sleeving with a polyurethane varnish based on modified PUR.

Attributes

The F/GS UL 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).

Application

The F/GS UL sleeving is used as additional mechanical protection for connecting cables and winding wires at high temperatures and with increased 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)
Continuous operating temperature -20 to + 155 °C
With reference to DIN EN 60684-3 sheet 409:1999
UL approved, file no. E363755.

Delivery forms

Standard colour: nature (up to ID 16)

Sleeving diamter	Design length in m
0.5 - 2.0 mm	200 m cardboard spool
2.5 - 3.5 mm	100 m cardboard spool
4.0 - 10.0 mm	100 m cardboard spool
12.0 - 14.0 mm	50 m cardboard spool

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

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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	+0.30	+0.40	+0.40	+0.40	+0.40	+0.40
Wall thickness (wt) nominal	mm	0.50	0.50	0.50	0.50	0.50	0.50
Tolerance (wt)	mm	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10

Dimension	Unit of measure						
Inner diameter (ID)	mm	3.0	3.5	4.0	4.5	5.0	6.0
Tolerance (ID)	mm	+0.50	+0.50	+0.50	+0.50	+0.50	+0.50
Wall thickness (wt) nominal	mm	0.50	0.50	0.50	0.50	0.50	0.50
Tolerance (wt)	mm	±0.15	±0.10	±0.10	±0.10	±0.10	±0.10

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Dimension	Unit of measure						
Inner diameter (ID)	mm	7.0	8.0	9.0	10.0	12.0	14.0
Tolerance (ID)	mm	+0.50	+0.60	+0.60	+0.60	+0.60	+1.00
Wall thickness (wt) nominal	mm	0.50	0.70	0.70	0.70	0.70	0.70
Tolerance (wt)	mm	±0.10	±0.30	±0.30	±0.30	±0.30	±0.30

Dimension	Unit of measure	
Inner diameter (ID)	mm	16.0
Tolerance (ID)	mm	+1.00
Wall thickness (wt) nominal	mm	0.70
Tolerance (wt)	mm	±0.30

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

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Electrical	Unit of measure	Values
Dielectric strength	kV	min. 4

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