SynFlex Elektro GmbH
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F/GS AC UL 1G glass fibre sleeving

The F/GS AC UL 1G sleeving consists of a glass yarn sleeving with an acrylate based varnish.

Attributes

The F/GS AC UL 1G sleeving is flexible, non-transparent and available in various colours. The glass fabric sleeving ensures very good mechanical properties even at very high temperatures up to class F (155 °C).

Application

The F/GS AC UL 1G sleeving is generally used as mechanicall protection for cables and winding wires at high temperature and at increased mechanical loads. It offers additional insulation in electrical machines and electrical engineering equipment as well as in some electronic applications.

Standards

Thermal class F (155 °C) - short term up to 190 °C

UL approved UZFT2.E468446

UL approved UZFT8.E468446

UL 1441

Flamability VW-1

Oil resistance 80 °C

Delivery forms

Sleeving inner diameter (mm)	Format length
0.5 - 2.0	500 m reel
3.0	200 m reel
3.5	350 m reel
4.0 - 5.0	300 m reel
6.0	250 m reel
7.0 - 8.0	200 m reel
9.0 - 10.0	150 m reel
12.0 - 16.0	100 m reel
18.0 - 24.0	50 m ring

Color

Standard colors are natural, black (up to ID12), green, red and yellow (up to ID6).

Other colours on request.

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Updated 05/23

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Dimension	Unit of measure						
Inner diameter (ID)	mm	0.8	1.0	1.5	2.0	2.5	3.0
Tolerance (ID)	mm	+0.18	+0.23	-0.05/+0.2	+0.25	+0.20	-0.1/+0.2
Wall thickness (wt) min.	mm	0.330	0.381	0.381	0.381	0.457	0.457

Dimension	Unit of measure						
Inner diameter (ID)	mm	3.5	4.0	4.5	5.0	6.0	7.0
Tolerance (ID)	mm	+0.30	+0.40	+0.40	+0.50	+0.50	+0.50
Wall thickness (wt) min.	mm	0.457	0.508	0.508	0.508	0.508	0.508

Dimension	Unit of measure						
Inner diameter (ID)	mm	8.0	9.0	10.0	12.0	14.0	16.0
Tolerance (ID)	mm	+0.50	+0.60	+0.60	+0.60	+0.70	+0.70

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Dimension	Unit of measure						
Wall thickness (wt) min.	mm	0.635	0.635	0.635	0.635	0.635	0.635

Dimension	Unit of measure				
Inner diameter (ID)	mm	18.0	20.0	22.0	24.0
Tolerance (ID)	mm	+0.90	+0.90	+0.90	+0.90
Wall thickness (wt) min.	mm	0.635	0.635	0.635	0.635

Thermal	Unit of measure	Values	Test method
Thermal class	°C	155	UL 1441
Application range	°C	-25 up to +155	UL 1441

Electrical	Unit of measure	Values	Test method
Dielectric strength	kV	Individuell min. 5.0	UL 1441
Dielectric strength	kV	Median min. 7.0	UL 1441

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