
F/GS AC UL fibreglass sleeving with acrylic coating

F/GS AC UL is a fibreglass sleeving coated with an acrylate-based varnish.

Attributes

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

Application

The F/GS AC UL sleeving is used as additional mechanical protection for connecting cables and winding wires at high temperatures and at increased mechanical loads. It also provides additional insulation in electrical machines up to class F and transformers as well as in other applications in electrical engineering and electronics.

Standards

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

- UL-approved UZFT2.E468446
 - UL-approved UZFT8.E468446 (temp. rating 155 °C, 600 V)
 - UL 1441
 - Flamability: VW-1
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Delivery forms

Standard colours are natural, black (up to ID 12), green, red and yellow (up to ID 6). Delivery format: cardboard reel with plastic core.

Sleeving inner diameter Format length

0.5 mm	500 m reel
0,8 mm	500 m reel
1,0 mm	500 m reel
1,5 - 2,0 mm	500 m reel
2,5 mm	250 m reel
3,0 mm	200 m reel
3,5 mm	400 m reel
4,0 mm	350 m reel
4,5 - 5,0 mm	300 m reel
6,0 mm	250 m reel
7,0 - 10,0 mm	200 m reel
12,0 - 14,0 mm	150 m reel
≥ 16,0 mm	100 m reel

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

Dimension	Unit of measure						
Inner diameter (ID)	mm	0.5	0.8	1.0	1.5	2.0	2.5
Tolerance (ID)	mm	+0.18	+0.18	+0.23	+0.25	+0.27	+0.30
Wall thickness min.	mm	0.279	0.330	0.381	0.381	0.381	0.457

Dimension	Unit of measure						
Inner diameter (ID)	mm	3.0	3.5	4.0	4.5	5.0	6.0
Tolerance (ID)	mm	+0.30	+0.30	+0.40	+0.40	+0.50	+0.50
Wall thickness min.	mm	0.457	0.508	0.508	0.508	0.508	0.508

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	+0.50	+0.60	+0.60	+0.60	+0.70

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Dimension	Unit of measure						
Wall thickness min.	mm	0.508	0.635	0.635	0.635	0.635	0.635

Dimension	Unit of measure					
Inner diameter (ID)	mm	16.0	18.0	20.0	24.0	30.0
Tolerance (ID)	mm	+0.70	+0.90	+0.90	+0.90	+0.90
Wall thickness min.	mm	0.635	0.635	0.635	0.635	0.635

Thermal	Unit of measure	Values
Thermal class	°C	155)
Application range	°C	-10 up to +155

Electrical	Unit of measure	Values	Test method
Dielectric strength	kV	≥5	UL 1441
Dielectric strength	kV	≥7	UL 1441