
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 mechanical 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



| 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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