
Textile Braided Sleeving F/GS

The F/GS sleeving consists 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

RoHS compliant according to 2011/65 EU

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.

| 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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Updated 04/19



| 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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