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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.

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### 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).

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### 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.

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### 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.

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### Delivery forms

Standard colour: nature (up to ID 16)

| Sleeving diameter | 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.

| 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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