
Extruded Sleeving H

Sleeving H is an extruded silicone sleeving.

Attributes

Sleeving H is flexible, non-transparent and available in various colours. Due to the silicone rubber coating, this sleeving provides high permanent temperature resistance of class H (180 °C) and thermal resistance up to 200 °C; the special quality version guarantees thermal resistance up to 250 °C.

Application

Sleeving H is used as lightweight, additional mechanical protection for applications with very high thermal stress. Furthermore, it offers additional electrical insulation for cables and enamelled copper wires in electric machines and transformers as well as in certain electronic applications.

Standards

Acc. IEC 60684-123/124

UL 94HB compliant

RoHS compliant according to 2011/65/EU

Delivery forms

Standard: transparent (inner diameter / ID 5)

Special colours on request:

Red, blue, white, black (ID5) and green (ID2)

Length in m on a cardboard ring:

0.3 - 2.0 mm 200 m rings/ cardboard spools

2.5 - 3.5 mm 100 m rings/ cardboard spools

4.0 - 9.0 mm 100 m rings

10.0 mm 50 m rings

14.0 - 30.0 mm on request

All dimensions can be delivered in adapted lengths.

| | Unit of measure | | | | | | |
|---------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Inner diameter (ID) | mm | 0.3 | 0.5 | 0.8+ | 1.0 | 1.5 | 2.0 |
| Tolerance (ID) | mm | +0.10/-0.05 | +0.15/-0.10 | +0.15/-0.10 | +0.20/-0.15 | +0.20/-0.15 | +0.20/-0.15 |

| | Unit of measure | | | | | | |
|---------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Inner diameter (ID) | mm | 2.5 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| Tolerance (ID) | mm | +0.20/-0.20 | +0.20/-0.20 | +0.20/-0.20 | +0.20/-0.20 | +0.25/-0.25 | +0.25/-0.25 |

| | Unit of measure | | | | | | |
|---------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Inner diameter (ID) | mm | 10.0 | 12.0 | 16.0 | 20.0 | 25.0 | 30.0 |
| Tolerance (ID) | mm | +0.25/-0.25 | +0.25/-0.25 | +0.50/-0.50 | +0.50/-0.50 | +0.50/-0.50 | +0.50/-0.50 |

| | Unit of measure | | | | | | |
|-----------------------------|-----------------|-------------|-------------|-----------|-------------|-------------|-------------|
| Wall thickness (wt) nominal | mm | 0.20 | 0.40 | 0.50 | 0.70 | 1.0 | 1.5 |
| Tolerance (wt) | mm | -0.05/+0.15 | -0.05/+0.15 | 0.05/0.15 | -0.05/+0.15 | -0.05/+0.15 | -0.20/+0.20 |

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Updated 04/19



| | | Conditions | Values | Test method | Values |
|-----------------------------|--------------------|---------------------------------|--------------|-------------|--------|
| Wall thickness (wt) nominal | 2.0 | | | | |
| Tolerance (wt) | -0.20/+0.20 | | | | |
| Dielectric strength | | appr. 1 / 0.1 mm wall thickness | DIN EN 60684 | | |
| Specific volume resistance | room temperature | min. 10 ¹¹ | DIN EN 60684 | | |
| Resistance | weather, ozone, UV | | | | |

| Products | Unit of measure | Values | Test method |
|---------------------|-----------------|----------------|--------------|
| Elongation at break | % | 500 (min. 200) | DIN EN 60684 |
| Tear force | MPa | 11 (min. 5.5) | DIN EN 60684 |

| Category | Unit of measure | Values |
|-------------------|-----------------|---|
| Thermal class | °C | 180 |
| Application range | °C | -60 up to 200 (special version up to 250) |

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