SynFlex Elektro GmbH
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## Extruded Sleeving H

Sleeving H is an extruded silicone sleeving.

### Attributes

Sleeving H is flexible, 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

According DIN 60684-3, sheet 123:2001

### 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.

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Updated 05/24

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| **Dimension** | 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 |

| **Dimension** | 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 |

| **Dimension** | 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 |

| **Wall thicknesses** | Unit of measure | | | | | | |
|---|---|---|---|---|---|---|---|
| Wall thickness (wt) nominal | mm | 0.20 | 0.50 | 0.40 | 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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| **Wall thicknesses** | Unit of measure | |
|---|---|---|
| Wall thickness (wt) nominal | mm | 2.0 |
| Tolerance (wt) | mm | -0.20/+0.20 |

| **Mechanical** | 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 |

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

| **Electrical** | Unit of measure | Conditions | Values | Test method |
|---|---|---|---|---|
| Dielectric strength | kV | | appr. 1 / 0.1 mm wall thickness | DIN EN 60684 |
| Specific volume resistance | Ω*cm | room temperature | min. 10^11 | DIN EN 60684 |

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| Chemical | Values |
| --- | --- |
| Resistance | weather, ozone, UV |

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