SynFlex Elektro GmbH
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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.

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	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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		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)