

FLEXICONE® 200 SLEEVING*

Class 220°C • Silicone Rubber-Coated Fiberglass Sleevings

UL Recognized Component: 600 Volt, 200°C (Grade A), VW-1, File No. 66526

Canadian Standards Association: 600 Volt, 200°C (Grade A), OFS, File No. 37065

QPL Listed – MIL-003190/6, ASTM D372, NEMA TF-1 - TYPE 6



OPERATING TEMPERATURE RANGE

-75 to +220°C

DESCRIPTION

FLEXICONE 200 sleeving is a specially formulated high temperature silicone rubber elastomer, pressure bonded to a heat stabilized fiberglass braid. It is available in ASTM electrical grades A, B and C-1 as standard items, and heavy wall constructions for high voltage use on special order.

FEATURES

FLEXICONE 200 sleeving exceeds UL 224 VW-1 and CSA-OFS flammability requirements in all grades and colors and will not support combustion. Its outstanding flexibility allows FLEXICONE 200 to withstand the severe push-back test of MIL-I-003190C with ease, even in the lower dielectric grades, thus making it the ideal insulation where sharp bends are encountered or the ability to expand over irregular shaped parts is required. It has a combination of outstanding physical and electrical capabilities that make it ideal for many applications and should be considered where one or more of the following properties is required:

- High temperatures up to 220°C
- Maximum flexibility and/or expandability
- VW-1 and OFS flammability rating
- Chemical resistance
- Cut-through resistance
- Moisture resistance
- Abrasion resistance
- Radiation resistance

SUGGESTED APPLICATIONS

1. Protective coverings for automotive wiring harnesses and ABS brake wiring.
2. Aerospace and aircraft wiring leads.
3. Heat generating appliances such as coffee pots, hair dryers, toasters, etc.
4. Covering for leads on extrusion plastic molding, die casting machinery, presses, etc.
5. High voltage transformers.

PACKAGING

Spools – Standard

36" lengths and cut pieces available on special order.

COLORS

White and Red – Standard.

Special Colors – Consult factory for availability.

PERFORMANCE CHARACTERISTICS

Dielectric Breakdown (ASTM D372) Grade	Typical Test Results			
	Requirements		Test Results	
	Min. Avg. Volts	Min. Indiv. Volts	Min. Avg. Volts	Min. Indiv. Volts
A – C-48/23/50 C-96/23/96	8,000	6,000	9,500	8,300
	80% of above		89%	
B – C-48/23/50 C-96/23/96	4,000	2,500	6,000	4,700
	1,200	750	3,500	3,100
C-1 – C-48/23/50 C-96/23/96	2,500	1,500	3,000	2,500
	Not Applicable		Not Applicable	
15 kV	15,000	12,000	12,500	13,700

DIMENSIONS

Size	I.D. Maximum		I.D. Minimum		Feet in Standard Package
	Inch	(mm)	Inch	(mm)	
24	.027	(.66)	.020	(.51)	500
22	.032	(.81)	.025	(.64)	500
20	.039	(.99)	.032	(.81)	500
18	.049	(1.24)	.040	(1.02)	500
17	.054	(1.37)	.045	(1.19)	500
16	.061	(1.55)	.051	(1.30)	500
15	.067	(1.70)	.057	(1.45)	500
14	.074	(1.88)	.064	(1.63)	500
13	.082	(2.08)	.072	(1.83)	250
12	.091	(2.31)	.081	(2.06)	250
11	.101	(2.57)	.091	(2.31)	250
10	.112	(2.84)	.102	(2.59)	250
9	.124	(3.15)	.114	(2.90)	250
8	.141	(3.58)	.129	(3.28)	250
7	.158	(4.01)	.144	(3.66)	250
6	.178	(4.52)	.162	(4.11)	250
5	.198	(5.03)	.182	(4.62)	250
4	.224	(5.69)	.204	(5.18)	250
3	.249	(6.32)	.229	(5.82)	250
2	.278	(7.06)	.258	(6.55)	250
1	.311	(7.90)	.289	(7.34)	100
0	.347	(8.81)	.325	(8.26)	100
3/8"	.399	(10.13)	.375	(9.53)	100
7/16"	.462	(11.73)	.438	(11.13)	100
1/2"	.524	(13.31)	.500	(12.70)	100
5/8"	.655	(16.64)	.625	(15.88)	100
3/4"	.786	(19.96)	.750	(19.05)	100
7/8"	.911	(23.14)	.875	(22.23)	100
1"	1.036	(26.31)	1.000	(25.40)	100

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