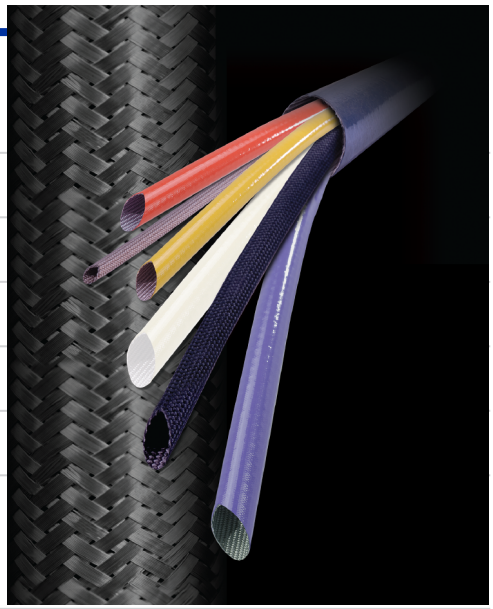
Atkins&Pearce

1-800-837-7477
www.atkinsandpearce.com

Ben-Har™ 1151-FR



Flame Retardant, Flexible Silicone Rubber Coated Sleeving

Temp Class: Class H (200° C)

Grades Available: 15,000 V, A (8,000 V), C (2,500 V)

Material: Silicone Coated Fiberglass

Sizes Available: AWG #24 through 2" I.D.

Colors Available: White, Black, Red Iron Oxide, Natural

Applicable Standards: UL Recognized Component and VW-1 Flame Rating under file no. E63446 (Grade A), NEMA TF-1 Type 5, MIL-I-3190/6 – QPL (Grade A)

Features

- Excellent low temperature flexibility with outstanding flame retardant properties.
- Compatible with common Class H insulating varnishes.
- Resistant to acids, alkalis, organic solvents and aliphatic hydrocarbons. Slight swelling may be produced by aromatic solvents and chlorinated hydrocarbons.
- Ketones and esters may cause deterioration.

Product Description

Ben-Har 1151-FR sleeving is an extremely flexible silicone rubber coated fiberglass sleeving with outstanding flame retardant properties. The special combination of a smooth fiberglass bore and flexible, elastomeric silicone coating allows this sleeving to expand and conform over larger dimensions, assuring a snug fit, permanent placement, and elastic self-fitting on components or terminals. The excellent bond of rubber coating to the braid insures against damage from rough assembly handling.

Suggested Applications

Ben-Har 1151-FR is commonly used in appliance assemblies, wire harnesses, transformer leads, power supplies, and motor coil and heater leads. This product is also available in heavy wall constructions (15KV) for high voltage use.

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Sizes Available

Inside Diameter, in. (mm)			
Size	Maximum	Minimum	Nominal I.D.
24 AWG	0.027 (0.69)	0.020 (0.51)	0.022
22 AWG	0.032 (0.81)	0.025 (0.64)	0.027
20 AWG	0.039 (0.99)	0.032 (0.81)	0.034
18 AWG	0.049 (1.25)	0.040 (1.02)	0.042
16 AWG	0.061 (1.55)	0.051 (1.30)	0.053
14 AWG	0.074 (1.88)	0.064 (1.63)	0.066
12 AWG	0.091 (2.31)	0.081 (2.06)	0.085
10 AWG	0.112 (2.80)	0.102 (2.60)	0.106
9 AWG	0.124 (3.20)	0.114 (2.90)	0.118
8 AWG	0.141 (3.60)	0.129 (3.30)	0.133
7 AWG	0.158 (4.00)	0.144 (3.70)	0.148
6 AWG	0.178 (4.50)	0.162 (4.10)	0.166
5 AWG	0.198 (5.00)	0.182 (4.60)	0.186
4 AWG	0.224 (5.70)	0.204 (5.20)	0.208
3 AWG	0.249 (6.30)	0.229 (5.80)	0.234
2 AWG	0.278 (7.10)	0.258 (6.60)	0.263
1 AWG	0.311 (7.90)	0.289 (7.30)	0.294
0 AWG	0.347 (8.80)	0.325 (8.30)	0.330
3/8"	0.399 (10.10)	0.375 (9.50)	0.375
7/16"	0.462 (11.70)	0.438 (11.10)	0.438
1/2"	0.524 (13.30)	0.500 (12.70)	0.500
5/8"	0.655 (16.70)	0.625 (15.90)	0.625
3/4"	0.786 (20.00)	0.750 (19.10)	0.750
7/8"	0.911 (23.20)	0.875 (22.20)	0.875
1"	1.036 (26.30)	1.000 (25.40)	1.000
1-1/4"	1.286 (32.80)	1.250 (31.90)	1.250
1-1/2"	1.536 (39.20)	1.500 (38.30)	1.500
2"	2.036 (51.90)	2.000 (51.00)	2.000

*All Atkins & Pearce coated insulation solutions are REACH and RoHS compliant.

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Ordering Information

Product	Grade	Size	Color	Packing Code
320 = 1151 FR	01 = A	924 = AWG #24	02 = White	S = Spool
	03 = C	922 = AWG #22	03 = Black	Y = Cut Pieces
		920 = AWG #20	14 = RIO	
		918 = AWG #18		
		916 = AWG #16		
		914 = AWG #14		
		912 = AWG #12		
		909 = AWG #9		
		908 = AWG #8		
		907 = AWG #7		
		906 = AWG #6		
		905 = AWG #5		
		904 = AWG #4		
		903 = AWG #3		
		902 = AWG #2		
		901 = AWG #1		
		900 = AWG #0		
		010 = 3/8"		
		011 = 7/16"		
		013 = 1/2"		
		016 = 5/8"		
		019 =3/4"		
		022 = 7/8"		
		025 = 1"		
		1032 = 1-1/4"		
		1038 = 1-1/2"		
		1051 = 2"		

*Example: 3200190102S (1151 FR Grade A, 1, White, Spool)