

# Ben-Har™ 1151-XL-FR1

## Flame Resistant Rubber Extrusion Coated Fiberglass Sleeving

**Temp Class:** Class H (200° C)

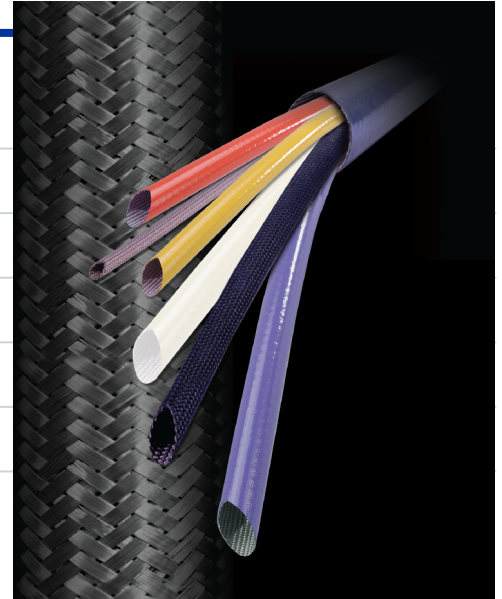
**Grades Available:** A (8,000 V)

**Material:** Silicone Coated Fiberglass

**Sizes Available:** AWG #24 through 1" I.D.

**Colors Available:** Brown

**Applicable Standards:** UL Recognized Component (Grade A, sizes up to 2") and VW-1 Flame Rating (all grades) under file no. E63446 and E15253, NEMA TF-1 Type 5, MIL-I-3190/6 – QPL (Grade A)



## Features

- ▶ Highly flame resistant, with outstanding mechanical and electrical properties.
- ▶ Resistant to acids, alkalis, organic solvents and aliphatic hydrocarbons.
- ▶ Good push back and expandability, excellent flex life and fatigue resistance.
- ▶ Slight swelling is produced by aromatic solvents and chlorinated hydrocarbons. Ketones and esters may have a softening effect.

## Product Description

Ben-Har 1151-XL-FR1 is a VW-1 flammability rated silicone rubber coated fiberglass sleeving with outstanding mechanical and electrical properties. The specially formulated extrusion coating makes it ideal for most applications. It exhibits good push back and expandability, excellent flex life and fatigue resistance. Ben-Har 1151-XL-FR1 is resistant to acids, alkalis, organic solvents and aliphatic hydrocarbons.

## Suggested Applications

Ben-Har 1151-XL-FR1 is designed to be used in applications where flammability rating, superior mechanical performance and high dielectric strength are needed, such as transformers, lead protection, motor coil leads, component insulation and power supply wiring.

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## Sizes Available

Size	Inside Diameter, in. (mm)		Nominal I.D.
	Maximum	Minimum	
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

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



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

# Ben-Har™ 1151-XL-FR1

## Ordering Information

Product	Grade	Size	Color	Packing Code
332 - 1151 XLFR1	01 - A	924 - AWG #24	09 - Brown	S - Spool
		922 - AWG #22		Y - Cut Pieces
		920 - AWG #20		
		918 - AWG #18		
		916 - AWG #16		
		914 - AWG #14		
		912 - AWG #12		
		910 - AWG #10		
		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"		

\*Example: 3320190109S (1151 XLFR1, A, 1, Brown, Spool)