

# Ben-Har™ Ex-Flex 1500

## Heat Treated, Fray Resistant Fiberglass Heavy Wall Sleeving

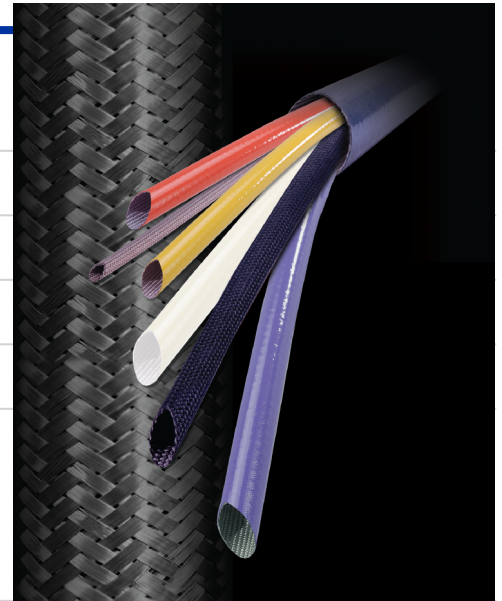
Temp Class: Class C (240°+ C)

Material: Heat Treated Fiberglass

Sizes Available: AWG #20 through 3/8" I.D.

Colors Available: Natural, Black

Applicable Standards: UL Recognized Component for VW-1 Flame Rating under file no. E15253, NEMA TF-2 Type 4



## Features

- ▶ Heavy wall (1/32").
- ▶ Performance is determined by wall thickness.
- ▶ Withstands normal assembly handling, cut-through and mechanical stress without loss of insulating capability.
- ▶ Excellent fray resistance.
- ▶ Excellent low temperature flexibility.

## Product Description

Ben-Har Ex-Flex 1500 is a braided fiberglass sleeving, with a 1/32" heavy wall, which is heat treated and saturated to prevent end fray and increase ease of handling. This product was developed to meet end fray resistance needs of most assembly operations and for high temperature applications where ordinary film varnish and impregnants cannot be used. If subsequent service or accidental temperatures exceed 240°C, the saturant will gradually volatilize without toxic or excessive fumes or smoke.

## Suggested Applications

Ben-Har Ex-Flex should be considered where assembly conditions or color requirements dictate use of fray retarding or pigment saturant. Ex-Flex 1500 provides space factor insulation of about 1,500 volts. Designed to meet UL and CSA requirements in two appliance applications, Ex-Flex 1500 construction offers higher electrical and thermal performance as primary and supplementary insulation for leads, heater cord, resistance wire and wire harness assemblies.



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## Sizes Available

Size	Inside Diameter, in. (mm)		Nominal I.D.
	Maximum	Minimum	
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
11 AWG	0.101 (2.60)	0.091 (2.31)	0.095
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

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



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## Ordering Information

Product	Grade	Size	Color	Packing Code
360 = Heat Treated & Saturated	06 = No Dielectric Heavy Wall	920 = AWG #20	01 = Natural	S = Spool
		918 = AWG #18	03 = Black	Y = Cut Pieces
		916 = AWG #16		
		914 = AWG #14		
		912 = AWG #12		
		911 = AWG #11		
		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"		

\*Example: 360069010S (ST, 1, Natural, Spool)