

# Ben-Har™ Ex-Flex

## Heat Treated, Fray Resistant Fiberglass Sleeving

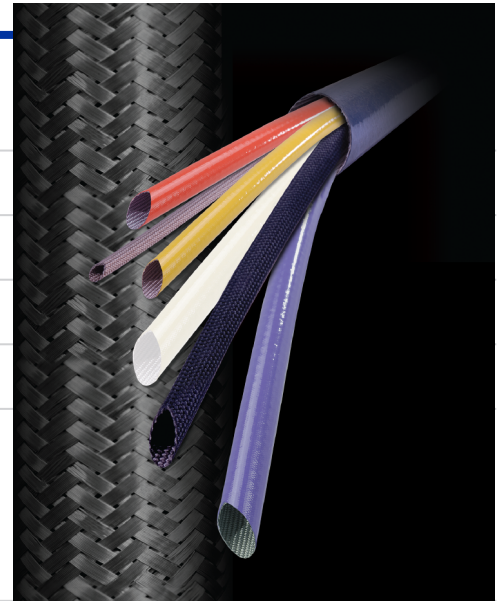
**Temp Class:** Class C (240°+ C)

**Material:** Heat Treated Fiberglass

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

**Colors Available:** Natural, Black

**Applicable Standards:** UL VW-1 under file no. E15253, NEMA TF-2 Type 3.



## Features

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

## Product Description

Ben-Har Ex-Flex is a braided fiberglass sleeving 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 Application

Ben-Har Ex-Flex should be considered where assembly conditions or color requirements dictate use of fray retarding or pigment saturant. Ben-Har Ex-Flex is used extensively in wire harness assemblies where its flexibility and ease of expansion over irregular terminals and groups of wires makes application easy. It is also used as supplementary insulation on HPN type heater cord leads to protect the primary insulation from mechanical damage and thermal degradation. It will not contaminate delicate terminals or corrode any exposed surfaces. Ex-Flex can be applied in sealed environments, such as steam-dry irons, where the high temperature distillates or ordinary impregnants could damage contacts.

# Ben-Har™ Ex-Flex

## 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
19 AWG	0.044 (1.11)	0.036 (0.91)	0.040
18 AWG	0.049 (1.25)	0.040 (1.02)	0.042
17 AWG	0.054 (1.37)	0.045 (1.14)	0.047
16 AWG	0.061 (1.55)	0.051 (1.30)	0.053
15 AWG	0.067 (1.70)	0.057 (1.45)	0.059
14 AWG	0.074 (1.88)	0.064 (1.63)	0.066
13 AWG	0.082 (2.08)	0.072 (1.83)	0.076
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)	0.152 (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.