



Ex-Flex 1500

- Rated to 240°C + Class C
- UL Recognized Component for VW-1 Flame Rating for sizes up to 3/8"
- Applicable Documents
ASTM D-350
ASTM D-372
NEMA TF-1
- Excellent low temperature flexibility
- Heavy Wall (1/32")
- Available in AWG sizes #20 through 3/8" I.D.
- Available in natural and black

Heat Treated, Fray-Resistant Fiberglass Sleeving (Heavy Wall - Saturated)

Ben-Har™ Ex-Flex 1500 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.

Ben-Har™ Ex-Flex 1500 withstands normal assembly handling, cut-through, and mechanical stress without the loss of insulating capability. However, performance is determined by wall thickness. The sleeving is stable in the presence of most organic solvents, and shows no effect when exposed to 10 megarads of radiation.

Ben-Har™ Ex-Flex 1500 should be considered where assembly conditions or color requirements dictate use of fray retarding or pigment saturant. If subsequent service or accidental temperatures exceed 240°C, the saturant will gradually volatilize without toxic or excessive fumes or smoke. Ex-Flex 1500 provides space factor insulation of about 1500 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.



Product Specifications – Ben-Har™ Ex-Flex 1500

NEM A Size	Nominal Diameter (inches)	Nominal Diameter (mm)	Bentley-Harris Part Number	Maximum Diameter (inches)	Minimum Diameter (inches)
20	0.034	0.86	36006920XX	0.039	0.032
18	0.042	1.07	36006918XX	0.049	0.040
16	0.053	1.35	36006916XX	0.061	0.051
14	0.066	1.67	36006914XX	0.074	0.064
12	0.085	2.59	36006912XX	0.091	0.081
11	0.095	2.41	36006911XX	0.101	0.091
10	0.106	2.69	36006910XX	0.112	0.102
9	0.118	3.00	36006909XX	0.124	0.114
8	0.133	3.38	36006908XX	0.141	0.129
7	0.148	3.76	36006907XX	0.158	0.144
6	0.166	4.22	36006906XX	0.178	0.162
5	0.186	4.72	36006905XX	0.198	0.182
4	0.208	5.28	36006904XX	0.224	0.204
3	0.234	5.94	36006903XX	0.249	0.229
2	0.263	6.68	36006902XX	0.278	0.258
1	0.294	7.47	36006901XX	0.311	0.289
0	0.330	8.38	36006900XX	0.347	0.325
3/8"	0.375	9.52	36006010XX	0.399	0.375

XX = Color Code

01 = Natural 03 = Black

°C	°F
538	1000
527	980
516	960
504	940
493	920
482	900
471	880
460	860
449	840
438	820
427	800
416	780
404	760
393	740
382	720
371	700
360	680
349	660
338	640
327	620
316	600
304	580
293	560
282	540
271	520
260	500
249	480
238	460
227	440
216	420
204	400
193	380
182	360
171	340
160	320
149	300
138	280
127	260
116	240
104	220
99	210
88	190
77	170
66	150
54	130
43	110
38	100
35	95
30	86
25	77
20	68
15	59
10	50
5	41
0	32
-5	23
-10	14
-15	5
-18	0
-20	-4
-40	-40
-60	-76
-70	-94

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