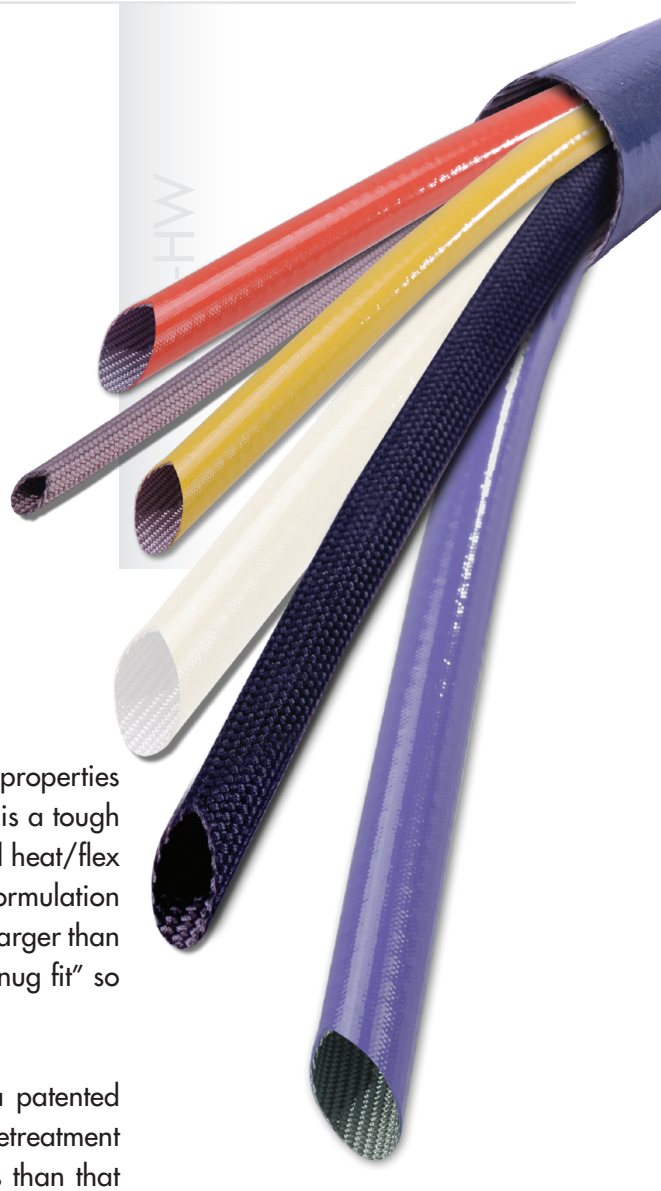
1151-HW

- Rated to 200ºC Class H
- 15,000 V dielectric minimum average
- Low temperature brittle point below -85ºC
- Available in AWG sizes #14 through 1" I.D.
- Available in red iron oxide only



Extruded Silicone Rubber Coated Fiberglass Sleeving (Heavy Wall)

Through its unique extrusion process, Ben-Har™ 1151-HW has unique properties unequaled by ordinary dip coated sleevings. The silicone rubber coating is a tough and integral part of the sleeving, giving Ben-Har™ 1151-HW unsurpassed heat/flex life and protection against production assembly hazards. The coating's formulation design allows the inside diameter of the sleeving to expand over wire sizes larger than its original diameter without coating fracture or end fray, providing the "snug fit" so essential to preventing vibration damage.

Ben-Har™ 1151-HW is braided using inorganic fiberglass treated by a patented process to retard fraying and remove foreign matter. A silicone pretreatment impregnates the braid to prevent wicking. With a heavier wall thickness than that of traditional silicone sleevings found in the industry, Ben-Har™ 1151-HW affords excellent resistance to dielectric breakdown caused by operational stresses.

Ben-Har™ 1151-HW is resistant to inorganic acids, alkalis, aliphatic hydrocarbons, and is compatible with common Class H insulating varnishes. Slight swelling is produced by aromatic hydrocarbons and chlorinated organic solvents. Ketones and esters may cause deterioration. Swelling caused by oil immersion varies from negligible to 1 ½ times original volume, but is not indicative of deterioration. Oils of high aromatic content have a more serious effect. Ben-Har™ 1151-HW is used extensively for terminal insulation and protection, as well as in dry-type transformer applications.

ISO 9001:2000 PFI Registrar Registered Firm

www.atkinsandpearce.com

Product also known as: Ben-Har™ 1151-HW

Performance Data – Ben-Har™ 1151-HW

Product Specifications

NEMA Size	Nominal Diameter (inches)	Nominal Diameter (mm)	Bentley-Harris Part Number	Maximum Diameter (inches)	Minimum Diameter (inches)
14	0.074	1.88	3300691414	0.072	0.064
12	0.091	2.31	3300691214	0.089	0.081
10	0.106	2.69	3300691014	0.112	0.102
9	0.118	3.00	3300690914	0.124	0.114
8	0.133	3.38	3300690814	0.141	0.129
7	0.148	3.76	3300690714	0.158	0.144
6	0.166	4.22	3300690614	0.178	0.162
5	0.186	4.72	3300690514	0.198	0.182
4	0.208	5.28	3300690414	0.224	0.204
3	0.234	5.94	3300690314	0.249	0.229
2	0.263	6.68	3300690214	0.278	0.258
1	0.294	7.47	3300690114	0.311	0.289
0	0.330	8.38	3300690014	0.347	0.325
3/8”	0.375	9.52	3300601014	0.399	0.375
7/16”	0.438	11.12	3300601114	0.462	0.438
1/2”	0.500	12.70	3300601314	0.524	0.500
5/8”	0.625	15.87	3300601614	0.655	.0625
3/4”	0.750	19.05	3300601914	0.786	0.750
7/8”	0.875	22.22	3300602214	0.911	0.875
1”	1.000	25.40	3300602514	1.036	1.000

ºC	ºF
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