

## Product Highlights

- Rated to 155°C  
Class F
- Grade C (2,500V)
- Applicable Documents  
ASTM D-350  
ASTM D-373  
UL 1441  
NEMA TF-1
- Excellent low temperature flexibility
- Available in sizes AWG #24 - 2" I.D.
- Available in natural (white), black, yellow, and red



# Ben-Har™ Acryl Grade C

## Acrylic Resin Coated Fiberglass Sleeving

Ben-Har™ Acryl sleeving is manufactured by coating a lightly heat-treated braided fiberglass sleeving with a dielectric film of thermosetting polyacrylate resin qualified for Class F (155°C) systems. The tough acrylate film is highly craze resistant and will withstand severe bending without loss of dielectric properties. It is resistant to acids and most organic solvents and compatible with a broad range of wire enamels - acrylic, polyester, polyamide, polyimide, and polyvinylformal. By virtue of crosslinking the acrylate, film will not flow upon application of heat.

The acrylate film is extremely tough and flexible, allowing the sleeving to withstand rough assembly handling, mechanical stress, and resistance to cut-through. The coating film will not flow upon application of heat. Ben-Har™ Acryl is resistant to acids, alkalis, organic solvents, and aliphatic hydrocarbons. Slight swelling is produced by aromatic solvents and chlorinated hydrocarbons. Ketones and esters have a softening effect.

Ben-Har™ Acryl resists up to 10 megarads of radiation dosage with no discernible effect. When tested in accordance with NEMA VS-1, MIL-I-3190 method B, ASTM D-350, and UL 1441, Ben-Har™ Acryl burns at less than 1.33 inches per minute.

# Product Specifications – Ben-Har™ Acryl Grade C

NEM A Size	Nominal Diameter (inches)	Nominal Diameter (mm)	Bentley-Harris Part Number	Maximum Diameter (inches)	Minimum Diameter (inches)
24	0.022	0.56	30003924XX	0.027	0.020
20	0.034	0.86	30003920XX	0.039	0.032
18	0.042	1.07	30003918XX	0.049	0.040
16	0.053	1.35	30003916XX	0.061	0.051
14	0.066	1.68	30003914XX	0.072	0.064
12	0.085	2.16	30003912XX	0.089	0.081
11	0.095	2.41	30003911XX	0.101	0.091
10	0.106	2.69	30003910XX	0.112	0.102
9	0.118	3.00	30003909XX	0.124	0.114
8	0.133	3.38	30003908XX	0.141	0.129
7	0.148	3.76	30003907XX	0.158	0.144
6	0.166	4.22	30003906XX	0.178	0.162
5	0.186	4.72	30003905XX	0.198	0.182
4	0.208	5.28	30003904XX	0.224	0.204
3	0.234	5.94	30003903XX	0.249	0.229
2	0.263	6.68	30003902XX	0.278	0.258
1	0.294	7.47	30003901XX	0.311	0.289
0	0.330	8.38	30003900XX	0.347	0.325
3/8"	0.375	9.52	30003010XX	0.399	0.375
7/16"	0.438	11.12	30003011XX	0.462	0.438
1/2"	0.500	12.70	30003013XX	0.524	0.500
5/8"	0.625	15.87	30003016XX	0.655	0.625
3/4"	0.750	19.05	30003019XX	0.786	0.750
7/8"	0.875	22.22	30003022XX	0.911	0.875
1"	1.000	25.40	30003025XX	1.036	1.000

XX = Color Code

01 = Natural  
05 = Red

03 = Black

04 = Yellow

°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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