

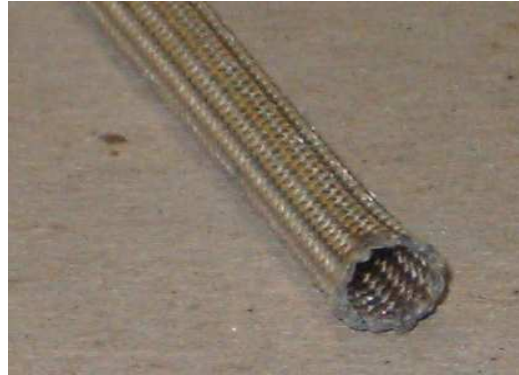


NU-FLEX HT™

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HEAT TREATED FIBERGLASS SLEEVING

- Class "C" insulation rated at 240° C.
- UL VW-1 recognized insulation – UL File #E80713.
- Applicable Specifications:
 - ASTM D 350 / 372.
 - MIL-Y-1140H
 - NEMA TF-2
- Available Sizes: AWG #24 – 1 1/8"
- Packaging: Standard Spools, Bulk Spools, Cut to length.
- Colors: Natural (Gray) only.



Sofanou NU-FLEX HT is made of closely woven 100% braided fiberglass that has been fully heat treated to remove all organic contaminants and to render the glass braid fray-resistant.

NU-FLEX HT is economically priced and can be used for applications where temperatures run as high as 1200°F. NU-FLEX HT provides abrasion resistance with high flexibility. NU-FLEX HT products are made in standard wall or heavy wall constructions.

GRADES:	NU-FLEX HT-1220	Standard Wall
	NU-FLEX HT-1232	Heavy Wall

NU-FLEX HT is used wherever severe, repeated flexing or temperature extremes prohibit the use of other materials. Typical applications include: insulation for carbon brush leads, transformers and ballasts for halogen lighting, outer coverings for resin impregnated circuitry, thermal or electrical insulation for appliances and thermal sensor leads and for high reliability double insulation systems.

NU-FLEX HT is a class 240 product with a temperature range of -59°C to 648°C. It is made of flexible fiberglass yarns conforming to MIL-Y-1140H and is recognized by UL in File #80713 for its flame retardancy.

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NEMA Size	Nominal Diameter (inches)	Nominal Diameter (mm)	Sofanou Part No.	Minimum Diameter (inches)	Maximum Diameter (inches)
24	0.024	0.61	HT2100024N	0.020	0.027
22	0.029	0.74	HT2100022N	0.025	0.032
20	0.036	0.91	HT2100020N	0.032	0.039
19	0.038	0.96	HT2100019N	0.036	0.044
18	0.044	1.12	HT2100018N	0.040	0.049
17	0.049	1.24	HT2100017N	0.045	0.054
16	0.056	1.42	HT2100016N	0.051	0.061
15	0.062	1.57	HT2100015N	0.057	0.067
14	0.069	1.75	HT2100014N	0.064	0.074
13	0.077	1.96	HT2100013N	0.072	0.082
12	0.086	2.18	HT2100012N	0.081	0.091
11	0.096	2.44	HT2100011N	0.091	0.101
10	0.107	2.72	HT2100010N	0.102	0.112
9	0.119	3.02	HT2100009N	0.114	0.124
8	0.135	3.43	HT2100008N	0.129	0.141
7	0.148	3.76	HT2100007N	0.144	0.158
6	0.166	4.22	HT2100006N	0.162	0.178
5	0.186	4.72	HT2100005N	0.182	0.198
4	0.208	5.28	HT2100004N	0.204	0.224
3	0.234	5.94	HT2100003N	0.229	0.249
2	0.263	6.68	HT2100002N	0.258	0.278
1	0.294	7.47	HT2100001N	0.289	0.311
0	0.330	8.20	HT2100000N	0.313	0.347
3/8"	0.387	9.83	HT2100375N	0.375	0.398
7/16"	0.450	11.43	HT2100437N	0.438	0.462
1/2"	0.512	13.00	HT2100500N	0.500	0.524
5/8"	0.640	16.26	HT2100625N	0.625	0.655
3/4"	0.768	19.51	HT2100750N	0.750	0.786
7/8"	0.893	22.68	HT2100875N	0.875	0.911
1"	1.018	25.86	HT2101000N	1.000	1.036
1 1/8"	1.143	29.03	HT2101125N	1.125	1.161

Note: For heavy wall, substitute HT220 for HT210 portion of the part number, i.e. HT2200002N. HT220 available in sizes #20 - 7/16"

Operating Range:	-59°C to 648°C
Dielectric Breakdown:	N/A Electrical Grade C-3 insulation.
Heat Age:	N/A
Dielectric constant:	N/A
Volume resistivity:	10 ¹⁴ ohm-cm @ 72°F and 500 Volts DC
Dissipation factor:	N/A
Cut through resistance:	Excellent
Oil resistance:	No swelling or disintegration
Fungus resistance:	Inert, requires no fungicide additives.
Rate of Burning:	Meets UL VW-1 flammability rating

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Fraction	Decimal
1/32	0.0313
1/16	0.0625
3/32	0.0938
1/8	0.1250
5/32	0.1563
3/16	0.1875
7/32	0.2188
1/4	0.2500
9/32	0.2813
5/16	0.3125
11/32	0.3438
3/8	0.3750
13/32	0.4063
7/16	0.4375
15/32	0.4688
1/2	0.5000
17/32	0.5313
9/16	0.5625
19/32	0.5938
5/8	0.6250
21/32	0.6563
11/16	0.6875
23/32	0.7188
3/4	0.7500
25/32	0.7813
13/16	0.8125
27/32	0.8438
7/8	0.8750
29/32	0.9063
15/16	0.9375
31/32	0.9688
1	1.0000

mm	in.
0.50	0.02
1.00	0.04
1.50	0.06
2.00	0.08
2.50	0.10
3.00	0.12
3.50	0.14
4.00	0.16
4.50	0.18
5.00	0.20
5.50	0.22
6.00	0.24
6.50	0.26
7.00	0.28
7.50	0.30
8.00	0.31
8.50	0.33
9.00	0.35
9.50	0.37
10.00	0.39
10.50	0.41
11.00	0.43
11.50	0.45
12.00	0.47
12.50	0.49
13.00	0.51
13.50	0.53
14.00	0.55
14.50	0.57
15.00	0.59
15.50	0.61
16.00	0.63
16.50	0.65
17.00	0.67
17.50	0.69
18.00	0.71
18.50	0.73
19.00	0.75
19.50	0.77
20.00	0.79
20.50	0.81
21.00	0.83
21.50	0.85
22.00	0.87
22.50	0.89
23.00	0.91
23.50	0.93
24.00	0.94
24.50	0.96
25.00	0.98
25.50	1.00

°C	°F
400	752
390	734
380	716
370	698
360	680
350	662
340	644
330	626
320	608
310	590
300	572
290	554
280	536
270	518
260	500
250	482
240	464
230	446
220	428
210	410
200	392
190	374
180	356
170	338
160	320
150	302
140	284
130	266
120	248
110	230
100	212
90	194
80	176
70	158
60	140
50	122
40	104
30	86
20	68
10	50
0	32
-10	14
-20	-4
-30	-22
-40	-40
-50	-58
-60	-76
-70	-94
-80	-112

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