



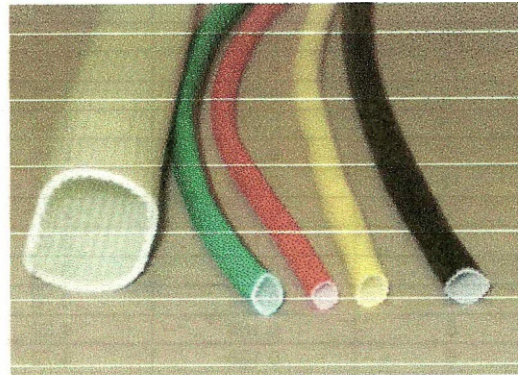
Matrimol S.A.S.

NU-SLEEVE AG-155TM

PRODUCTO
DISTRIBUIDO POR
MATRIMOL S.A.S

ACRYLIC COATED BRAIDED FIBERGLASS SLEEVING

- Class "F" insulation rated to 155° C.
- UL and CSA recognized Grade A insulation – UL File #93101 / CSA File # LR-67735.
- Applicable Specifications:
 - MIL – I – 3190 / 3
 - UL 1441
 - ASTM as referenced in above specifications.
- RoHS and WEEE compliant
- Low Temperature Brittle Point -10°C
- Available Sizes: AWG #24 – 1 1/4"
- Packaging: Standard Spools, Bulk Spools, Cut to length.
- Colors: Black, Natural (White), Natural (Tan). Consult factory for other colors.



Sofanou NU-SLEEVE AG-155 is a coated fiberglass sleeving made by applying a proprietary blend of acrylic polymers to a closely woven electrical grade fiberglass substrate. NU-SLEEVE AG-155 has excellent electrical, chemical and oil resistance properties, excellent heat stability and flexibility for ease of push-up and recovery.

Sofanou NU-SLEEVE AG-155 is compatible with virtually all electrical grade varnishes and impregnation systems making them ideally suited for applications in dry or oil filled transformers, motors, generators or moisture sensitive equipment.

Sofanou NU-SLEEVE AG-155 is used extensively in consumer appliances, lighting fixtures, stove, oven and furnace controls as well as relays, breaker panels, switchgear and other commercial and industrial apparatus where high electrical performance and outstanding resistance to mechanical and environmental degradation is required.

NU-SLEEVE AG-155 (Grade A) is recognized by Underwriters Laboratories under UL file #93101 and by Canadian Standards Association (CSA) under file #LR-67735.

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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	AC4350024xx	0.020	0.027
22	0.029	0.74	AC4350022xx	0.025	0.032
20	0.036	0.91	AC4350020xx	0.032	0.039
19	0.038	0.96	AC4350019xx	0.036	0.044
18	0.044	1.12	AC4350018xx	0.040	0.049
17	0.049	1.24	AC4350017xx	0.045	0.054
16	0.056	1.42	AC4350016xx	0.051	0.061
15	0.062	1.57	AC4350015xx	0.057	0.067
14	0.069	1.75	AC4350014xx	0.064	0.074
13	0.077	1.96	AC4350013xx	0.072	0.082
12	0.086	2.18	AC4350012xx	0.081	0.091
11	0.096	2.44	AC4350011xx	0.091	0.101
10	0.107	2.72	AC4350010xx	0.102	0.112
9	0.119	3.02	AC4350009xx	0.114	0.124
8	0.135	3.43	AC4350008xx	0.129	0.141
7	0.148	3.76	AC4350007xx	0.144	0.158
6	0.166	4.22	AC4350006xx	0.162	0.178
5	0.186	4.72	AC4350005xx	0.182	0.198
4	0.208	5.28	AC4350004xx	0.204	0.224
3	0.234	5.94	AC4350003xx	0.229	0.249
2	0.263	6.68	AC4350002xx	0.258	0.278
1	0.294	7.47	AC4350001xx	0.289	0.311
0	0.330	8.20	AC4350000xx	0.313	0.347
3/8"	0.387	9.83	AC4350375xx	0.375	0.398
7/16"	0.450	11.43	AC4350437xx	0.438	0.462
1/2"	0.512	13.00	AC4350500xx	0.500	0.524
5/8"	0.640	16.26	AC4350625xx	0.625	0.655
3/4"	0.768	19.51	AC4350750xx	0.750	0.786
7/8"	0.893	22.68	AC4350875xx	0.875	0.911
1"	1.018	25.86	AC4351000xx	1.000	1.036
1 1/8"	1.144	29.06	AC4351125xx	1.125	1.163
1 1/4"	1.260	31.75	AC4351250xx	1.250	1.290

NOTES:

- For Grade B (4,000VAC), Grade C-1 (2500VAC) or Grade C-2 (1500VAC), substitute AC434, AC433 or AC432 for AC435 in the above part number listings.
- xx in the part number listings is used to designate color. Y=Yellow, R=Red, B=Black, N=Natural, T=Tan, etc.

Operating Range (NEMA Class F):	-10°C to 155°C	
Dielectric Strength:	Dry: 7,000 volts, 60 Hz AC @ 500V / S rate of rise Wet: > 80% of the dry value.	
Dielectric constant:	(1,000 Hz)	2.5
Volume resistivity:	Ohm.cm x 10 ¹⁰	1
Dissipation factor:	(1,000 Hz)	.07
Cut through resistance:	Excellent	
Flexibility:	Does not crack when bent 180° around mandrel per NEMA TF-1 after heat age at 175°C for 96 hrs.	
Elongation at break:	% Minimum	150
Fungus resistance:	Very Good	None at 10x

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DATOS TÉCNICOS

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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