

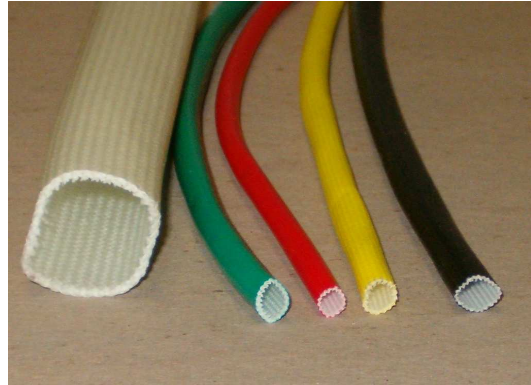


# NU-SLEEVE AG-155™

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## ACRYLIC COATED BRAIDED FIBERGLASS SLEEVING

- Class “F” Insulation rated to 155°C
- Grade A (7000V) UL & CSA Recognized – UL File #E93101 CSA File#LR67735
- Applicable Specifications:
  - NEMA TF-1 Type 6
  - UL 1441
  - MIL-I-3190/3, QPL-3190: Grade A (8000V)
- RoHS and WEEE compliant
- Low Temperature Brittle Point -25°C
- Available Sizes: AWG #24 – 1 1/4”
- Packaging: Standard Spools, Bulk Spools, Cut to length.
- Colors: Black, Natural (White), Tan are Standard. Other available colors are subject to factory quotation upon request.



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. It exhibits excellent resistance to oils, acids and alkalis and solvents. Resistance to fungus and corona is good.

NU-SLEEVE AG-155 is compatible with virtually all electrical grade insulating varnishes and impregnation systems making it ideally suited for leads and crossovers in fractional and integral horsepower motors, dry or oil filled transformers generators, welding apparatus, relays and moisture sensitive equipment.

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 Grades	Jenisco Spec.	Markel Hygrade Spec.	Min Average Breakdown	Min. Individual Breakdown
AG-155 A	AC435	Polytube 463 A	7000V	5000V
AG-155 B	AC434	Polytube 463 B	4000V	2500V
AG-155 C-1	AC433	Polytube 463 C	2500V	1500V
AG-155 C-2	AC432	Polytube 463 C-2	1500V	800V

NEMA Size	Nominal Diameter (inches)	Nominal Diameter (mm)	Sofanou Grade A Part No.	Minimum Diameter (inches)	Maximum Diameter (inches)
24	0.024	0.61	AC4350024X	0.020	0.027
22	0.029	0.74	AC4350022X	0.025	0.032
20	0.036	0.91	AC4350020X	0.032	0.039
19	0.038	0.96	AC4350019X	0.036	0.044
18	0.044	1.12	AC4350018X	0.040	0.049
17	0.049	1.24	AC4350017X	0.045	0.054
16	0.056	1.42	AC4350016X	0.051	0.061
15	0.062	1.57	AC4350015X	0.057	0.067
14	0.069	1.75	AC4350014X	0.064	0.074
13	0.077	1.96	AC4350013X	0.072	0.082
12	0.086	2.18	AC4350012X	0.081	0.091
11	0.096	2.44	AC4350011X	0.091	0.101
10	0.107	2.72	AC4350010X	0.102	0.112
9	0.119	3.02	AC4350009X	0.114	0.124
8	0.135	3.43	AC4350008X	0.129	0.141
7	0.148	3.76	AC4350007X	0.144	0.158
6	0.166	4.22	AC4350006X	0.162	0.178
5	0.186	4.72	AC4350005X	0.182	0.198
4	0.208	5.28	AC4350004X	0.204	0.224
3	0.234	5.94	AC4350003X	0.229	0.249
2	0.263	6.68	AC4350002X	0.258	0.278
1	0.294	7.47	AC4350001X	0.289	0.311
5/16"	0.313	7.95	AC4350312X	0.313	0.334
0	0.330	8.38	AC4350000X	0.325	0.347
3/8"	0.387	9.83	AC4350375X	0.375	0.399
7/16"	0.450	11.43	AC4350437X	0.438	0.462
1/2"	0.512	13.00	AC4350500X	0.500	0.524
5/8"	0.640	16.26	AC4350625X	0.625	0.655
3/4"	0.768	19.51	AC4350750X	0.750	0.786
7/8"	0.893	22.68	AC4350875X	0.875	0.991
1"	1.018	25.86	AC4351000X	1.000	1.036
1 1/8"	1.144	29.06	AC4351125X	1.125	1.161
1 1/4"	1.260	31.75	AC4351250X	1.250	1.286

**NOTES:**

- 1) For Grade B (4000V), Grade C-1 (2500V) or Grade C-2 (1500VAC), substitute AC434, AC433 or AC432 for AC435 in the above part number listings.
- 2) X in the part numbers listing is used to designate color. B=Black, N=Natural, R=Red, T=Tan, W=White, Y=Yellow etc. Consult the factory for availability of other colors.

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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 <sup>10</sup>	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
Rate of Burning:	Meets MIL-I-3190/3 and NEMA TF-1	

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