

NU-SLEEVE AG-155

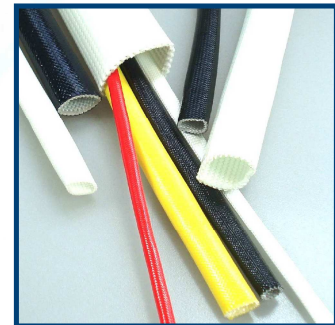
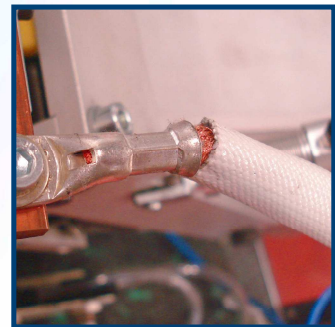
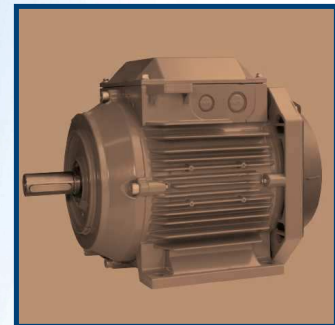
Electrical Equipment

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

NU-SLEEVE AG-155 is available in NEMA Grades A, B, C-1, C-2 and C-3. For Grade C-3, dielectric value is dependent on static conditions with no specific voltage value guaranteed.



All our sites are ISO TS16949
and ISO 14001 certified

 **DELFINGEN**
INDUSTRY

Applications

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.

ACRYLIC COATED BRAIDED FIBERGLASS SLEEVING

- Class 155 Insulation
- Grade A (7000V) UL 1 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 -40°C
- Available sizes: AWG#24 - 1 1/4"
- Colors: black, natural (white), tan are standard. Other available colors upon request.

| Physical characteristics | |
|---|---|
| Operating range (Nema Class F) | -40°C to 155°C |
| Dielectric strength | DRY: 7,000 Volts, 60Hz AC @ 500 V / 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 |
| Rate of burning | Meets MIL-I-3190/3 and NEMA TF-1 |

| 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 |
| AG-155 C-3 | AC431 | N/A | N/A | N/A |

Dimensions

| NEMA Size | Nominal Diameter (inches) | Nominal Diameter (mm) | Delfingen 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), Grade C-2 (1500VAC) or Grade C-3, substitute AC434, AC433, AC432 or AC431 respectively 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.

Packaging

Standard spools, bulk spools, cut to length.

Data & photos for information only, subject to modifications without notice

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