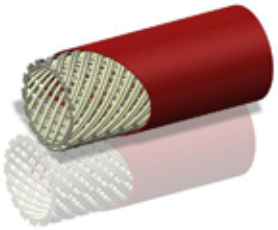
# Coated Fiberglass Sleeve





# NU-SLEEVE SG-240

NU-SLEEVE SG-240 is a fiberglass braided sleeve coated with a special high temperature silicone rubber.

It is therefore an excellent thermal and electrical insulator, with high dielectric properties (Grade A sleeve) and high temperature of use (240°C/464°F). NU-SLEEVE SG-240 is **non-flammable** and has good mechanical properties.

**Typical applications include:**
coil and winding industry (coils, motors, generators, transformers…); lighting fixtures; transportation (mass transit, rail cars, locomotives…); commercial cookware (fryers, rotisseries, steamers…); heating and cooling; custom car markets and heavy truck market; and in many other industrial fields.

silivma
Fiberglass Sleeving

# Nu-Sleeve SG-240

## Characteristics

- **Colors:** standard color is red oxide. Other colors upon request.
- **Specifications:** UL Approved.

| Physical properties | Specification | Unit | Value |
|---|---|---|---|
| Operating temperature | - | °C (°F) | -80/240 (-112/464) |
| Abrasion resistance | - | - | good |
| Dielectrical properties | NEMA TF-1 | - | grade A |
| Flammability | UL-1441 VW-1 | - | pass |
| Chemical resistance | Excellent resistance to oils. Also good resistance to acids and alkalis, petroleum, water and organic solvents. | | |

## Dimensions

Following sizes are from #24 thru 1 1/2". Higher diameters available upon request.

| Designation | NEMA sizes | Minimum Ø (inches) | Maximum Ø (inches) | Indicative nominal Ø (inches) | (mm) |
|---|---|---|---|---|---|
| NU-SLEEVE SG-240 A AWG 24 | 24 | 0.020 | 0.027 | 0.024 | 0.61 |
| NU-SLEEVE SG-240 A AWG 22 | 22 | 0.025 | 0.032 | 0.029 | 0.74 |
| NU-SLEEVE SG-240 A AWG 20 | 20 | 0.032 | 0.039 | 0.036 | 0.91 |
| NU-SLEEVE SG-240 A AWG 19 | 19 | 0.036 | 0.044 | 0.040 | 1.02 |
| NU-SLEEVE SG-240 A AWG 18 | 18 | 0.040 | 0.049 | 0.045 | 1.14 |
| NU-SLEEVE SG-240 A AWG 17 | 17 | 0.045 | 0.054 | 0.050 | 1.27 |
| NU-SLEEVE SG-240 A AWG 16 | 16 | 0.051 | 0.061 | 0.056 | 1.42 |
| NU-SLEEVE SG-240 A AWG 15 | 15 | 0.057 | 0.067 | 0.062 | 1.57 |
| NU-SLEEVE SG-240 A AWG 14 | 14 | 0.064 | 0.074 | 0.069 | 1.75 |
| NU-SLEEVE SG-240 A AWG 13 | 13 | 0.072 | 0.082 | 0.077 | 1.96 |
| NU-SLEEVE SG-240 A AWG 12 | 12 | 0.081 | 0.091 | 0.086 | 2.18 |
| NU-SLEEVE SG-240 A AWG 11 | 11 | 0.091 | 0.101 | 0.096 | 2.44 |
| NU-SLEEVE SG-240 A AWG 10 | 10 | 0.102 | 0.112 | 0.107 | 2.72 |
| NU-SLEEVE SG-240 A AWG 9 | 9 | 0.114 | 0.124 | 0.119 | 3.02 |
| NU-SLEEVE SG-240 A AWG 8 | 8 | 0.129 | 0.141 | 0.135 | 3.43 |
| NU-SLEEVE SG-240 A AWG 7 | 7 | 0.144 | 0.158 | 0.151 | 3.84 |
| NU-SLEEVE SG-240 A AWG 6 | 6 | 0.162 | 0.178 | 0.170 | 4.32 |
| NU-SLEEVE SG-240 A AWG 5 | 5 | 0.182 | 0.198 | 0.190 | 4.83 |
| NU-SLEEVE SG-240 A AWG 4 | 4 | 0.204 | 0.224 | 0.214 | 5.44 |
| NU-SLEEVE SG-240 A AWG 3 | 3 | 0.229 | 0.249 | 0.239 | 6.07 |
| NU-SLEEVE SG-240 A AWG 2 | 2 | 0.258 | 0.278 | 0.268 | 6.81 |
| NU-SLEEVE SG-240 A AWG 1 | 1 | 0.289 | 0.311 | 0.300 | 7.62 |
| NU-SLEEVE SG-240 A 5/16 | 5/16" | 0.313 | 0.334 | 0.324 | 8.23 |
| NU-SLEEVE SG-240 A AWG 0 | 0 | 0.325 | 0.347 | 0.336 | 8.53 |
| NU-SLEEVE SG-240 A 3/8 | 3/8" | 0.375 | 0.399 | 0.387 | 9.83 |
| NU-SLEEVE SG-240 A 7/16 | 7/16" | 0.438 | 0.462 | 0.450 | 11.43 |
| NU-SLEEVE SG-240 A1/2 | 1/2" | 0.500 | 0.524 | 0.512 | 13.00 |
| NU-SLEEVE SG-240 A 5/8 | 5/8" | 0.625 | 0.655 | 0.640 | 16.26 |
| NU-SLEEVE SG-240 A 3/4 | 3/4" | 0.750 | 0.786 | 0.768 | 19.51 |
| NU-SLEEVE SG-240 A 7/8 | 7/8" | 0.875 | 0.911 | 0.893 | 22.68 |
| NU-SLEEVE SG-240 A 1 | 1" | 1.000 | 1.036 | 1.018 | 25.86 |
| NU-SLEEVE SG-240 A 1 1/8 | 1 1/8" | 1.125 | 1.161 | 1.143 | 29.03 |
| NU-SLEEVE SG-240 A 1 1/4 | 1 1/4" | 1.250 | 1.286 | 1.268 | 32.21 |
| NU-SLEEVE SG-240 A 1 1/2 | 1 1/2" | 1.500 | 1.536 | 1.518 | 38.56 |

## Packaging

NU-SLEEVE SG-240 is delivered in spools, bulk spools or in cut lengths.