



VINYL COATED FIBERGLASS - GRADE C

CONFORMS WITH REQUIREMENTS OF MIL-I-3190/2

RATED TO 266°F, CLASS H · RESISTS OILS, ACIDS & ALKALIES

VINYL FLEX GLASS (VG) sleeving is a heat-treated, tightly braided fiberglass sleeving coated with a firmly bonded plasticized polyvinylchloride film. This durable sleeving will withstand mechanical stress and holds its dielectric strength on all bends. Vinyl Flex Glass is used for supplementary insulation on transformer, motor, generator, and resistor leads. Also other applications include television, radio, and other electric circuits where it can be pushed back to permit soldering. Highly resistant to acids and solvents, and will withstand tough assembly handling. The Vinyl compound is designed for continuous operation at 130°C temperatures, while providing excellent abrasion and cut-through resistance.

SIZING CHART

| Nominal Size | Diameter | Part # | Grade | Wall Thickness | *Put-Ups | | Available Colors | Lbs/ 100' |
|--------------|----------|---------|-------|----------------|----------|------|------------------|-----------|
| | | | | | M | L | | |
| 24 | .020" | VGCG.24 | C | 0.0175" | 250' | 500' | 2 | 0.3 |
| 22 | .025" | VGCG.22 | C | | 250' | 500' | 2 | |
| 20 | .032" | VGCG.20 | C | 0.0150" | 250' | 500' | 2 | 0.2 |
| 18 | .040" | VGCG.18 | C | 0.0175" | 250' | 500' | 2 | 0.3 |
| 16 | .053" | VGCG.16 | C | 0.0200" | 250' | 500' | 2 | 0.4 |
| 15 | .057" | VGCG.15 | C | | 250' | 500' | 2 | |
| 14 | .064" | VGCG.14 | C | 0.0250" | 250' | 500' | 2 | 0.6 |
| 13 | .072" | VGCG.13 | C | | 100' | 250' | 2 | |
| 12 | .081" | VGCG.12 | C | 0.0250" | 100' | 250' | 2 | 0.6 |
| 11 | .091" | VGCG.11 | C | | 100' | 250' | 2 | |
| 10 | .102" | VGCG.10 | C | 0.0200" | 100' | 250' | 2 | 0.6 |
| 9 | .114" | VGCG.09 | C | 0.0200" | 100' | 250' | 2 | 0.8 |
| 8 | .129" | VGCG.08 | C | 0.0225" | 100' | 250' | 2 | 0.8 |
| 7 | .144" | VGCG.07 | C | | 100' | 250' | 2 | |
| 6 | .162" | VGCG.06 | C | | 100' | 250' | 2 | |
| 5 | .182" | VGCG.05 | C | 0.0200" | 100' | 250' | 2 | 1.1 |
| 4 | .204" | VGCG.04 | C | | 100' | 250' | 2 | |
| 3 | .229" | VGCG.03 | C | 0.0225" | 100' | 250' | 2 | 1.5 |
| 2 | .258" | VGCG.02 | C | 0.0250" | 100' | 250' | 2 | 1.9 |
| 1 | .289" | VGCG.01 | C | 0.0225" | 50' | 100' | 2 | 2.1 |
| 0 | .325" | VGCG.00 | C | 0.0300" | 50' | 100' | 2 | 2.6 |
| 3/8" | .375" | VGC0.38 | C | 0.0350" | 50' | 100' | 2 | 3.3 |
| 7/16" | .438" | VGC0.44 | C | 0.0325" | 50' | 100' | 2 | 3.2 |
| 1/2" | .500" | VGC0.50 | C | 0.0350" | 50' | 100' | 2 | 4.1 |
| 5/8" | .625" | VGC0.63 | C | 0.0400" | 50' | 100' | 2 | 6.3 |
| 3/4" | .750" | VGC0.75 | C | 0.0500" | 50' | 100' | 2 | 9.0 |
| 7/8" | .875" | VGC0.88 | C | 0.0600" | 50' | 100' | 2 | 12.7 |
| 1" | 1.00" | VGC1.00 | C | 0.0500" | 50' | 100' | 2 | 11.8 |

*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



ELECTRICAL INSULATION

Technical Data Sheet



FEATURES

| | |
|----------------|-------------------------|
| Material | Vinyl Coated Fiberglass |
| Grade | C (2,500V) |
| Wall Thickness | |
| Drawing Number | TF001VGC-WD |
| Cutting | Scissors |

COLORS



Black (BK), Yellow (YL)

FLAMMABILITY

| | |
|--------|------|
| Rating | VW-1 |
|--------|------|

CERTIFICATIONS



VW-1

OPERATING TEMPERATURES

| | |
|-------------------------------------------------|---------------|
| Continuous Operation | 266°F (130°C) |
| Low Temp Flexibility, Bends Without Cracking | -13°F / -25°C |

RATE OF BURNING

Conforms with requirements of NEMA TF-1, MIL-I-3190/3, and ASTM D372.

CHEMICAL RESISTANCE

Resistant to oils, acids, alkalies and most organic solvents. After more than 168 hours in the most commonly used aromatics, xylene and toluene, the dried sleeving substantially regains its original properties.

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