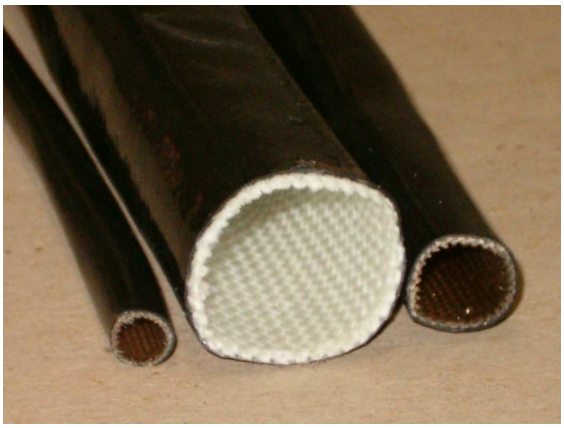
NU-SLEEVE VG-130™

2221 Niagara Falls Blvd, Suite 12, Niagara Falls, NY 14304
Tel. 716-215-0300 Fax: 716-215-0304

VINYL COATED BRAIDED FIBERGLASS



- Class “B” Insulation rated to 130°C.
- Grade A (7000V) UL and CSA Recognized - UL File #E93101, CSA File #LR-67735
- Grade B (4000V) VW-1 Flame Retardant – UL File #E80713
- Applicable Specifications:
  - NEMA TF-1 Type 3
  - UL 1441 VW-1
  - MIL-I-3190/2, QPL-3190: Grade A (8000V)
- Low Temperature Brittle Point -20℃
- RoHS and WEE compliant.
- Available Sizes: AWG #24 – 1”
- Packaging: Standard Spools, Bulk Spools, Cut to length.
- Colors: Black is Standard. Other available colors are subject to factory quotation upon request.

NU-SLEEVE VG-130 is a vinyl coated fiberglass sleeving made by applying a proprietary plastisol specially formulated for exceptional heat resistance and stability to a closely woven electrical grade fiberglass substrate. This combination provides a tough abrasion resistant yet flexible insulation, capable of being pushed back, expanded, stretched, flattened and bent into any shape desired or knotted; all without loss of dielectric strength or stability.

NU-SLEEVE VG-130 is non-fogging and non-corrosive to metals, compatible with most insulating resin systems and unequaled in its class for electrical characteristics, chemical resistance, thermal properties and cut-through resistance.

Sofanou NU-SLEEVE VG-130 sleeving is a heavy-duty insulating material especially suited for protective use on lead wires, bundles, connections in motors, generators, transformers and similar apparatus. NU-SLEEVE VG-130 provides an extra margin of safety because it is tough, flame resistant, self-extinguishing and can withstand frequent flexing and a significant amount of abrasion. VG-130 is formulated to withstand continuous operation at 130℃ for more than 15,000 hours.

NEMA Grades	Jenisco Spec.	Markel Hygrade Spec.	Min Average Breakdown	Min Individual Breakdown
VG-130 A	VC325	VF-A	7000V	5000V
VG-130 B	VC324	VF-B	4000V	2500V
VG-130 C	VC323	VF-C	2500V	1500V

Note: Dielectric strength is the average of 10 tests, no single reading less than the minimum individual breakdown shown above.

NU-SLEEVE VG-130 Grade A is recognized by Underwriters Laboratories in UL File #E93101 and by Canadian Standards Association (CSA) in File #LR-67735. NU-SLEEVE VG-130 Grade B is VW-1 flame retardant recognized by UL in File #E80713. All grades and colors are rated VW-1 (NEMA TF-1) for flame retardancy.

NEMA Size	Nominal Diameter (inches)	Nominal Diameter (mm)	Delfingen Grade A Part No.	Minimum Diameter (inches)	Maximum Diameter (inches)
24	0.024	0.61	VC3250024X	0.020	0.027
22	0.029	0.74	VC3250022X	0.025	0.032
20	0.036	0.91	VC3250020X	0.032	0.039
19	0.038	0.96	VC3250019X	0.036	0.044
18	0.044	1.12	VC3250018X	0.040	0.049
17	0.049	1.24	VC3250017X	0.045	0.054
16	0.056	1.42	VC3250016X	0.051	0.061
15	0.062	1.57	VC3250015X	0.057	0.067
14	0.069	1.75	VC3250014X	0.064	0.074
13	0.077	1.96	VC3250013X	0.072	0.082
12	0.086	2.18	VC3250012X	0.081	0.091
11	0.096	2.44	VC3250011X	0.091	0.101
10	0.107	2.72	VC3250010X	0.102	0.112
9	0.119	3.02	VC3250009X	0.114	0.124
8	0.135	3.43	VC3250008X	0.129	0.141
7	0.148	3.76	VC3250007X	0.144	0.158
6	0.166	4.22	VC3250006X	0.162	0.178
5	0.186	4.72	VC3250005X	0.182	0.198
4	0.208	5.28	VC3250004X	0.204	0.224
3	0.234	5.94	VC3250003X	0.229	0.249
2	0.263	6.68	VC3250002X	0.258	0.278
1 5/16”	0.294 0.313	7.47 7.95	VC3250001X VC3250312X	0.289 0.313	0.311 0.334
0	0.330	8.38	VC3250000X	0.325	0.347
3/8”	0.387	9.83	VC3250375X	0.375	0.399
7/16”	0.450	11.43	VC3250437X	0.438	0.462
1/2”	0.512	13.00	VC3250500X	0.500	0.524
5/8”	0.640	16.26	VC3250625X	0.625	0.655
3/4”	0.768	19.51	VC3250750X	0.750	0.786
7/8”	0.893	22.68	VC3250875X	0.875	0.911
1”	1.018	25.86	VC3251000X	1.000	1.036
1 1/8”	1.143	29.03	VC3251125X	1.125	1.161

Notes: 1) For Grade B (4000V) substitute VC324 & for Grade C1 (2500V) substitute VC323 for VC325 Grade A shown in the above part number listings.

2) X in the part numbers listing used to designate color. B=Black, N=Natural, R= Red, W=White, Y=Yellow, etc. Consult factory for availability of other colors.

Operating Range (NEMA Type 3):	-20° C to 130° C	
Dielectric Breakdown Grade A:	96/23/50: 7,000 VAC average, 5,000 VAC minimum, 60 Hz AC @ 500V / S rate of rise.	
Heat Age:	96 hrs. @ 155°C – No Cracking	
Dielectric constant:	(1,000 Hz)	3.8 maximum
Volume resistivity:	Ohm.cm x 10^9	1.0 minimum
Dissipation factor:	(1,000 Hz)	.01 maximum
Cut through resistance:	Excellent	
Oil resistance:	No swelling or disintegration	
Fungus resistance:	ASTM G 21	0 - None
Rate of Burning:	Meets MIL-I-3190/2, UL1441 and NEMA TF-1	