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NU-SLEEVE VPI-200™

FIBERGLASS OVERBRAIDED SILICONE RUBBER COATED SLEEVING

- Class “H” Insulation rated to 200℃
- UL & CSA Recognized Grade A Silicone Rubber Coated Fiberglass Sleeving: UL File #E93101, CSA File #LR67735
- Conforms to:
  - NEMA TF-1 TYPE6
  - UL1441 VW-1
  - MIL-I-3190/6, QPL-3190
- Available Sizes: AWG #8 – 3/4”
- Packaging: Standard Spools, Bulk Spools, Cut to length.
- Color: Natural (Light to Tan) only.

NU-SLEEVE VPI-200 is a double wall coated fiberglass sleeving. It is made by applying a layer of silicone rubber to a braided electrical grade fiberglass substrate to produce a Grade A silicone rubber coated fiberglass sleeving that is then over-braided with a 3-ply fiberglass to provide a high degree of abrasion resistance and saturability for vacuum pressure impregnation. The over-braid bonding process adheres the over-braid to the silicone coated substrate and minimizes end fray to improve assembly performance and eliminate the long term handling effects of operator dermatitis. NU-SLEEVE VPI-200 has excellent electrical properties, excellent heat stability and is designed to wick in and retain resins for added dielectric and mechanical properties without excessive bulk.

NU-SLEEVE VPI-200 features high dielectric protection, maximum flexibility for ease of installation, improved abrasion resistance, non-slip bond between layers and has a minimum dielectric strength of 8,000 volts. For higher voltage ratings, consult factory.

NU-SLEEVE VPI-200™

NEMA Size	Nominal Diameter (inches)	Nominal Diameter (mm)	Delfingen Part No.	Minimum Diameter (inches)	Maximum Diameter (inches)
8	0.135	3.43	VP2000008	0.129	0.141
7	0.148	3.76	VP2000007	0.144	0.158
6	0.166	4.22	VP2000006	0.162	0.178
5	0.186	4.72	VP2000005	0.182	0.198
4	0.208	5.28	VP2000004	0.204	0.224
3	0.234	5.94	VP2000003	0.229	0.249
2	0.263	6.68	VP2000002	0.258	0.278
1	0.294	7.47	VP2000001	0.289	0.311
0	0.330	8.38	VP2000000	0.325	0.347
3/8”	0.387	9.83	VP2000375	0.375	0.399
7/16”	0.450	11.43	VP2000437	0.438	0.462
1/2”	0.512	13.00	VP2000500	0.500	0.524
3/4”	0.768	19.51	VP2000750	0.750	0.786

GRADE A SILICONE RUBBER COATED FIBERGLASS SLEEVING

Operating Range (NEMA Class H):	-70°C to 200°C	
Dielectric Strength:	Dry: 8,000 volts, 60 Hz AC @ 500V / S rate of rise	
	Wet: > 80% of the dry value.	
Dielectric constant:	(10,000 Hz)	2.86
	(100 Hz)	2.87
Volume resistivity:	Ohm.cm x 10^{14}	6.2
Dissipation factor:	(10,000 Hz)	.0011
	(100Hz)	.0016
Tensile Strength:	Mpa	8.3
Hardness:	Shore A	340
Elongation at break:	%	410
Fungus resistance:	Inert	None at 40x
Rate of Burning:	Self-extinguishing with removal of heat source	
Radiation Resistance:	(10 Mrads)	No effect

Note: Dielectric strength is the average of 10 tests, no single reading less than 5kVAC.