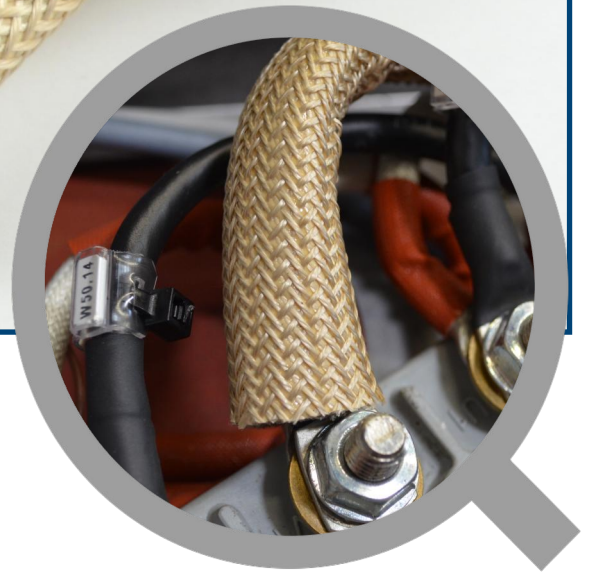
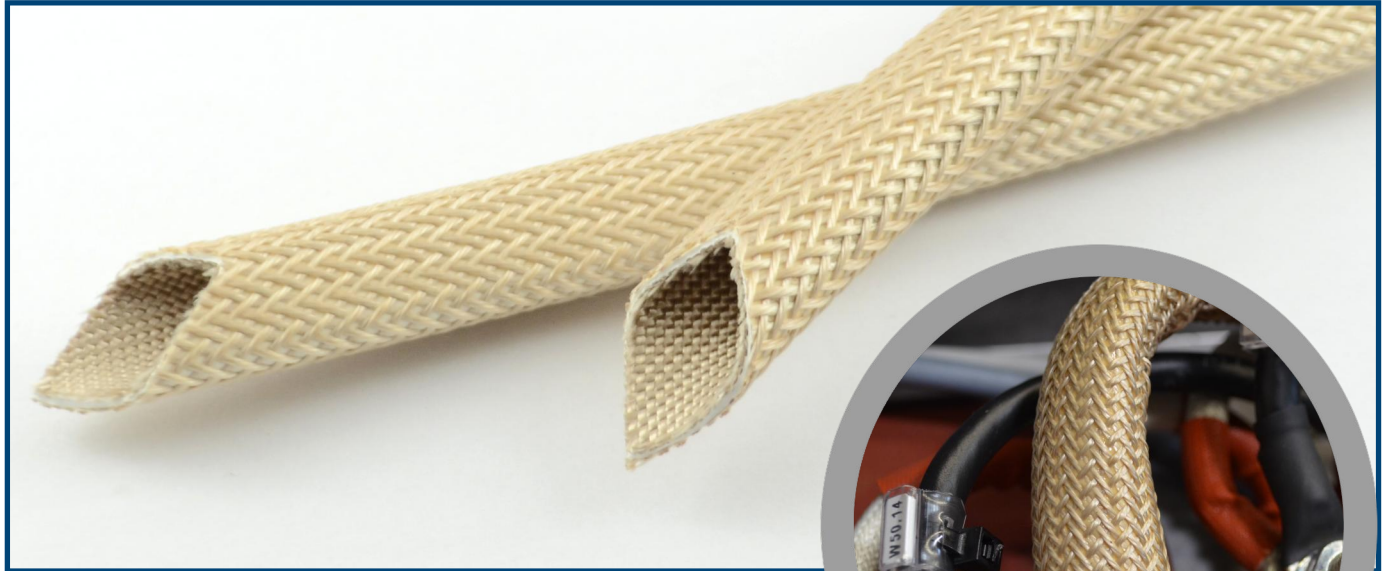
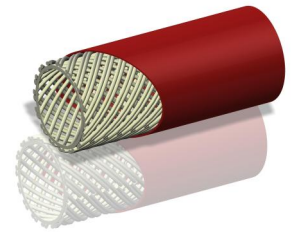


# Coated Fiberglass Sleeve



## NU-SLEEVE VPI-200

NU-SLEEVE VPI-200 is a silicone rubber coated fiberglass sleeve that is over-braided with a 3-ply fiberglass braid.

This double wall sleeve provides higher abrasion resistance and 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 up to 15kV and stands to very high temperatures up to 200°C (392°F).

**Typical applications include:** coil and winding industry (coils, motors, generators, transformers...); wind turbines and solar panels; and in many other industrial fields.

## Characteristics & Properties

- **Colors:** natural (tan) only.
- **Specifications:** Silicone rubber coated fiberglass sleeve recognized by UL and CSA with E-Glass overbraid for high voltage / VPI applications (UL File #E93101 and CSA File #LR67735 Grade A recognized). NEMA TF-1 Type 6 ; UL1441 VW-1 flame rated; MIL-I-3190/6, QPL-3190 as it relates to Nu-Sleeve AG-155 sub-component.

Physical properties	Value
Operating temperature (NEMA class H)	-10°C / 200°C (14°F / 392°F)
Dielectric strength*	up to 15kV
Dielectric constant	2.86 (10,000 Hz) 2.87 (100 Hz)
Volume resistivity	6.2 Ohm.cm $\times 10^{14}$
Dissipation factor	.0011 (10,00 Hz) .0016 (100 Hz)
Tensile strength	8.3 MPa
Hardness	340 Shore A
Elongation at break	410 %
Fungus resistance	Inert - none at 40x
Flammability	self-extinguishing with removal of heat source

\* Dielectric strength is the average of 10 tests, no single reading less than 5kV VAC.

## Dimensions

Designation	NEMA sizes	Minimum Ø (inches)	Maximum Ø (inches)	Indicative nominal Ø	
				(inches)	(mm)
NU-SLEEVE VPI-200 AWG 8	8	0.129	0.141	0.135	3.43
NU-SLEEVE VPI-200 AWG 7	7	0.144	0.158	0.151	3.84
NU-SLEEVE VPI-200 AWG 6	6	0.162	0.178	0.170	4.32
NU-SLEEVE VPI-200 AWG 5	5	0.182	0.198	0.190	4.83
NU-SLEEVE VPI-200 AWG 4	4	0.204	0.224	0.214	5.44
NU-SLEEVE VPI-200 AWG 3	3	0.229	0.249	0.239	6.07
NU-SLEEVE VPI-200 AWG 2	2	0.258	0.278	0.268	6.81
NU-SLEEVE VPI-200 AWG 1	1	0.289	0.311	0.300	7.62
NU-SLEEVE VPI-200 5/16	5/16"	0.313	0.334	0.324	8.23
NU-SLEEVE VPI-200 AWG 0	0	0.325	0.347	0.336	8.53
NU-SLEEVE VPI-200 3/8	3/8"	0.375	0.399	0.387	9.83
NU-SLEEVE VPI-200 7/16	7/16"	0.438	0.462	0.450	11.43
NU-SLEEVE VPI-200 1/2	1/2"	0.500	0.524	0.512	13.00
NU-SLEEVE VPI-200 5/8	5/8"	0.625	0.655	0.640	16.26
NU-SLEEVE VPI-200 3/4	3/4"	0.750	0.786	0.768	19.51

## Packaging

NU-SLEEVE VPI-200 is delivered in standard spools, bulk spools or in cut lengths upon request.

Data and photos for information only. Delfingen makes no warranties as to the accuracy or completeness of this information. Delfingen reserves the right to make changes in materials or processing without notification.

Corporate Headquarters: **DELFINGEN Industry S.A., Rue Emile Streit, 25340 Anteuil, France**

Tel: **+33 (0)3 81 90 73 00 • delfingen@delfingen.com**

**www.delfingen.com**