

# NU-SLEEVE SG-200



## NU-SLEEVE SG-200



Mechanical & Abrasion Protection  
Electrical Insulation  
Thermal Protection



Uncoated & Coated Sleeving



Coated braided fiberglass



Fiberglass  
Silicone rubber



Option: Black, white, natural (tan)  
Red, red oxide, blue, yellow, green. Other colors upon request





Low: -55°C (-67°F)  
High: 200°C (392°F)



Electrical and thermal insulation  
High flexibility and expandability  
Ideal for irregular shapes



 File: UZFT2 - E93101 - VW1 Rating, UZFT8 - E93101 - VW1 Rating,  
UZIQ2 - E80713 - Grade B  
 Category 903201 File # 067735  
MIL-I-3190 / 6, QPL 3190, NEMA TF1 - Type 5, ASTM D372 Type V  
RoHS, REACH, CMRT

## PHYSICAL & DIELECTRIC PROPERTIES

Physical properties	Spec	Value
Operating temperature	NEMA class H	-55/200°C (-67/392°F)
Dielectric strength	-	dry: 8,000 volts, 60 Hz AC @ 500 V/s rate of rise wet: >80% of the dry values
Dielectric constant	-	2.86 (10,000 Hz) 2.87 (100 Hz)
Volume resistivity	-	6.1 Ohm.cm <sup>x10<sup>13</sup></sup>
Dissipation factor	-	.0011 (10,00 Hz) .0016 (100 Hz)
Tensile strength	-	8.3 MPa
Hardness (shore A)	-	37
Elongation at break	-	420 %
Fungus resistance	-	Inert - none at 40x
Rate of burning	-	self-extinguishing with removal of heat source
Heat aging	-	no effect - 275°C (527°F) for 136 hr
Flammability	UL 1441 VW-1	pass
Abrasion resistance	SAE ARP 1536	> 2 000 cycles
Chemical resistance		no effect

NEMA Grades	Min. average breakdown	Min. individual breakdown
NU-SLEEVE SG-200 A	8000V	6000V
NU-SLEEVE SG-200 B	4000V	2500V
NU-SLEEVE SG-200 C-1	2500V	1500V
NU-SLEEVE SG-200 C-2	1500V	700V
NU-SLEEVE SG-200 C-3	no dielectric value	

## DIMENSIONS

Designation*	NEMA Size	Minimum Ø (inches)	Maximum Ø (inches)	Indicative nominal Ø	
				(inches)	(mm)
NU-SLEEVE SG-200 A AWG 24	AWG 24	0.020	0.027	0.024	0.61
NU-SLEEVE SG-200 A AWG 22	AWG 22	0.025	0.032	0.029	0.74
NU-SLEEVE SG-200 A AWG 20	AWG 20	0.032	0.039	0.036	0.91
NU-SLEEVE SG-200 A AWG 19	AWG 19	0.036	0.044	0.040	1.02
NU-SLEEVE SG-200 A AWG 18	AWG 18	0.040	0.049	0.045	1.14
NU-SLEEVE SG-200 A AWG 17	AWG 17	0.045	0.054	0.050	1.27
NU-SLEEVE SG-200 A AWG 16	AWG 16	0.051	0.061	0.056	1.42
NU-SLEEVE SG-200 A AWG 15	AWG 15	0.057	0.067	0.062	1.57
NU-SLEEVE SG-200 A AWG 14	AWG 14	0.064	0.074	0.069	1.75
NU-SLEEVE SG-200 A AWG 13	AWG 13	0.072	0.082	0.077	1.96
NU-SLEEVE SG-200 A AWG 12	AWG 12	0.081	0.091	0.086	2.18
NU-SLEEVE SG-200 A AWG 11	AWG 11	0.091	0.101	0.096	2.44
NU-SLEEVE SG-200 A AWG 10	AWG 10	0.102	0.112	0.107	2.72
NU-SLEEVE SG-200 A AWG 9	AWG 9	0.114	0.124	0.119	3.02
NU-SLEEVE SG-200 A AWG 8	AWG 8	0.129	0.141	0.135	3.43
NU-SLEEVE SG-200 A AWG 7	AWG 7	0.144	0.158	0.151	3.84
NU-SLEEVE SG-200 A AWG 6	AWG 6	0.162	0.178	0.170	4.32
NU-SLEEVE SG-200 A AWG 5	AWG 5	0.182	0.198	0.190	4.83
NU-SLEEVE SG-200 A AWG 4	AWG 4	0.204	0.224	0.214	5.44
NU-SLEEVE SG-200 A AWG 3	AWG 3	0.229	0.249	0.239	6.07
NU-SLEEVE SG-200 A AWG 2	AWG 2	0.258	0.278	0.268	6.81
NU-SLEEVE SG-200 A AWG 1	AWG 1	0.289	0.311	0.300	7.62
NU-SLEEVE SG-200 A 5/16	5/16"	0.313	0.334	0.324	8.23
NU-SLEEVE SG-200 A AWG 0	AWG 0	0.325	0.347	0.336	8.53
NU-SLEEVE SG-200 A 3/8	3/8"	0.375	0.399	0.387	9.83
NU-SLEEVE SG-200 A 7/16	7/16"	0.438	0.462	0.450	11.43
NU-SLEEVE SG-200 A 1/2	1/2"	0.500	0.524	0.512	13.00
NU-SLEEVE SG-200 A 5/8	5/8"	0.625	0.655	0.640	16.26
NU-SLEEVE SG-200 A 3/4	3/4"	0.750	0.786	0.768	19.51
NU-SLEEVE SG-200 A 7/8	7/8"	0.875	0.911	0.893	22.68
NU-SLEEVE SG-200 A 1	1"	1.000	1.036	1.018	25.86
NU-SLEEVE SG-200 A 1 1/8	1 1/8"	1.125	1.161	1.143	29.03
NU-SLEEVE SG-200 A 1 1/4	1 1/4"	1.250	1.286	1.268	32.21
NU-SLEEVE SG-200 A 1 1/2	1 1/2"	1.500	1.536	1.518	38.56

Higher diameters upon request  
\* Designation for grade A sleeve. For other dielectric grades, replace the A by B, C-1, C-2 or C-3.

## PACKAGING

Spools, Bulk spools, Cut lengths upon request

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