

# NU-SLEEVE AG-155



## NU-SLEEVE AG-155



Mechanical & Abrasion Protection  
Electrical Insulation



Uncoated & Coated Sleeving



Coated braided fiberglass



Fiberglass  
Acrylic polymers



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




Low: -40°C (-40°F)  
High: 155°C (311°F)


Insulation class: meet the requirement of class F rated at 155°C (311 °F)



Electrical insulation  
Flexibility and heat stability



 File: UZFT2 - E93101, UZFT8 - E93101

 Category 903201 File # 067735

MIL-I-3190 / 3, QPL 3190, NEMA TF1 - Type 6, ASTM D372 Type VI  
RoHS, REACH, CMRT, WEEE

## PHYSICAL & DIELECTRIC PROPERTIES

Physical properties	Spec	Value
Operating temperature	NEMA class F	-40/155°C (-40/311°F)
Dielectric strength	-	dry: 7,000 volts, 60 Hz AC @ 500 V/s rate of rise wet: >80% of the dry values
Dielectric constant	-	2.5 (1,000 Hz)
Volume resistivity	-	1 Ohm.cm <sup>x10</sup> <sup>10</sup>
Dissipation factor	-	.07 (1,000 Hz)
Cut through resistance	-	excellent
Flexibility	NEMA TF-1	does not crack when bent 180° around mandrel after heat age at 175°C (347°F) for 96 hours
Elongation at break	-	150 %
Fungus resistance	-	very good - none at 10x
Flammability	-	meets MIL-I-3190/3 and NEMA TF-1
Abrasion resistance	SAE ARP 1536	> 2 000 cycles

NEMA Grades	Min. average breakdown	Min. individual breakdown
NU-SLEEVE AG-155 A	7000V	5000V
NU-SLEEVE AG-155 B	4000V	2500V
NU-SLEEVE AG-155 C-1	2500V	1500V
NU-SLEEVE AG-155 C-2	1500V	800V
NU-SLEEVE AG-155 C-3	no dielectric value	

Designation*	NEMA Size	Minimum Ø (inches)	Maximum Ø (inches)	Indicative nominal Ø	
				(inches)	(mm)
NU-SLEEVE AG-155 A AWG 24	AWG 24	0.020	0.027	0.024	0.61
NU-SLEEVE AG-155 A AWG 22	AWG 22	0.025	0.032	0.029	0.74
NU-SLEEVE AG-155 A AWG 20	AWG 20	0.032	0.039	0.036	0.91
NU-SLEEVE AG-155 A AWG 19	AWG 19	0.036	0.044	0.040	1.02
NU-SLEEVE AG-155 A AWG 18	AWG 18	0.040	0.049	0.045	1.14
NU-SLEEVE AG-155 A AWG 17	AWG 17	0.045	0.054	0.050	1.27
NU-SLEEVE AG-155 A AWG 16	AWG 16	0.051	0.061	0.056	1.42
NU-SLEEVE AG-155 A AWG 15	AWG 15	0.057	0.067	0.062	1.57
NU-SLEEVE AG-155 A AWG 14	AWG 14	0.064	0.074	0.069	1.75
NU-SLEEVE AG-155 A AWG 13	AWG 13	0.072	0.082	0.077	1.96
NU-SLEEVE AG-155 A AWG 12	AWG 12	0.081	0.091	0.086	2.18
NU-SLEEVE AG-155 A AWG 11	AWG 11	0.091	0.101	0.096	2.44
NU-SLEEVE AG-155 A AWG 10	AWG 10	0.102	0.112	0.107	2.72
NU-SLEEVE AG-155 A AWG 9	AWG 9	0.114	0.124	0.119	3.02
NU-SLEEVE AG-155 A AWG 8	AWG 8	0.129	0.141	0.135	3.43
NU-SLEEVE AG-155 A AWG 7	AWG 7	0.144	0.158	0.151	3.84
NU-SLEEVE AG-155 A AWG 6	AWG 6	0.162	0.178	0.170	4.32
NU-SLEEVE AG-155 A AWG 5	AWG 5	0.182	0.198	0.190	4.83
NU-SLEEVE AG-155 A AWG 4	AWG 4	0.204	0.224	0.214	5.44
NU-SLEEVE AG-155 A AWG 3	AWG 3	0.229	0.249	0.239	6.07
NU-SLEEVE AG-155 A AWG 2	AWG 2	0.258	0.278	0.268	6.81
NU-SLEEVE AG-155 A AWG 1	AWG 1	0.289	0.311	0.300	7.62
NU-SLEEVE AG-155 A 5/16	5/16"	0.313	0.334	0.324	8.23
NU-SLEEVE AG-155 A AWG 0	AWG 0	0.325	0.347	0.336	8.53
NU-SLEEVE AG-155 A 3/8	3/8"	0.375	0.399	0.387	9.83
NU-SLEEVE AG-155 A 7/16	7/16"	0.438	0.462	0.450	11.43
NU-SLEEVE AG-155 A 1/2	1/2"	0.500	0.524	0.512	13.00
NU-SLEEVE AG-155 A 5/8	5/8"	0.625	0.655	0.640	16.26
NU-SLEEVE AG-155 A 3/4	3/4"	0.750	0.786	0.768	19.51
NU-SLEEVE AG-155 A 7/8	7/8"	0.875	0.911	0.893	22.68
NU-SLEEVE AG-155 A 1	1"	1.000	1.036	1.018	25.86
NU-SLEEVE AG-155 A 1 1/8	1 1/8"	1.125	1.161	1.143	29.03
NU-SLEEVE AG-155 A 1 1/4	1 1/4"	1.250	1.286	1.268	32.21
NU-SLEEVE AG-155 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

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