

NU-SLEEVE AG-155



Industry

NU-SLEEVE AG-155 is a coated braided fiberglass with high flexibility and high electrical insulation. The design of this product allows an easy installation.



- Mechanical & abrasion protection
- Electrical insulation
- High dielectric strength
- Flexibility and heat stability





- **Product family:**
Coated & Uncoated Sleevings
- **Construction:**
Coated braided fiberglass
- **Materials:**
Fiberglass
Acrylic polymers



Environments:

- Railway
- Renewable Energies
- Machinery & Installations
- Agriculture
- Automation & Robotics
- Construction

 Category 903201 File # 067735

 File: UZFT2 - E93101
UZFT8 - E93101
RoHS, REACH, CMRT, WEEE

MIL-I-3190 / 3, QPL 3190, NEMA TF1 - Type 6
ASTM D372 - Type VI

PHYSICAL PROPERTIES

Properties	Test Method	Result
Standard colors without stripe	-	Black, natural (white)
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 ^{x10} ¹⁰
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	

DIMENSIONS

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.

DELFINEN_NU-SLEEVE AG-155_EN_v4.0

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 notifications.

PACKAGING

Spools, Bulk spools, Cut lengths

sales@delfingen.com • www.delfingen.com