

NU-SLEEVE T117-FR



NU-SLEEVE T117-FR



Electrical Insulation
Thermal Protection



Uncoated & Coated Sleeving



Coated braided fiberglass



Fiberglass
High temperature silicone rubber



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



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



Options: Nu-Sleeve T117-E: standard version
Nu-Sleeve T117-HV: high voltage version
Printed logo (colors: gold, black or white)



Electrical and thermal insulation
Flame retardant
High density coating



 UZFT2 - E93101 - VW1 Rating, UZIQ2 - E80713 - Grade B

MIL-I-3190 / 6, QPL 3190, NEMA TF1 - Type 4, ASTM D372 Type IV,
ASTM E 162 - Surface flammability, Bombardier SMP 800-C Rev. 6 : Gas
toxicity, ASTM E 662 : Rate of Smoke Generation, NFPA 130 specifications
for transportation applications (mass transit, rail cars, locomotives)
RoHS, REACH, CMRT

PHYSICAL & DIELECTRIC PROPERTIES

Physical properties	Spec	Value
Operating temperature	-	-55/200°C (-67/392°F)
Flammability	UL 1441 VW-1	flame retardant
Surface flammability	ASTM E 162	pass
Rate of smoke generation	ASTM E 662	pass
Heat & visible smoke rates	ASTM E 1354	pass
Chemical resistance	Moisture, corona, ozone, radiation, compression set, fungus, most chemicals/solvents, weathering, flexure fatigue, heat degradation	

NEMA Grades	Min. average breakdown	Min. individual breakdown
NU-SLEEVE T117-FR A	8000V	6000V
NU-SLEEVE T117-FR B	4000V	2500V
NU-SLEEVE T117-FR C	2500V	1500V

DIMENSIONS

Designation*	NEMA Size	Minimum Ø (inches)	Maximum Ø (inches)	Indicative nominal Ø	
				(inches)	(mm)
NU-SLEEVE T117-FR A AWG 24	AWG 24	0.020	0.027	0.024	0.61
NU-SLEEVE T117-FR A AWG 22	AWG 22	0.025	0.032	0.029	0.74
NU-SLEEVE T117-FR A AWG 20	AWG 20	0.032	0.039	0.036	0.91
NU-SLEEVE T117-FR A AWG 19	AWG 19	0.036	0.044	0.040	1.02
NU-SLEEVE T117-FR A AWG 18	AWG 18	0.040	0.049	0.045	1.14
NU-SLEEVE T117-FR A AWG 17	AWG 17	0.045	0.054	0.050	1.27
NU-SLEEVE T117-FR A AWG 16	AWG 16	0.051	0.061	0.056	1.42
NU-SLEEVE T117-FR A AWG 15	AWG 15	0.057	0.067	0.062	1.57
NU-SLEEVE T117-FR A AWG 14	AWG 14	0.064	0.074	0.069	1.75
NU-SLEEVE T117-FR A AWG 13	AWG 13	0.072	0.082	0.077	1.96
NU-SLEEVE T117-FR A AWG 12	AWG 12	0.081	0.091	0.086	2.18
NU-SLEEVE T117-FR A AWG 11	AWG 11	0.091	0.101	0.096	2.44
NU-SLEEVE T117-FR A AWG 10	AWG 10	0.102	0.112	0.107	2.72
NU-SLEEVE T117-FR A AWG 9	AWG 9	0.114	0.124	0.119	3.02
NU-SLEEVE T117-FR A AWG 8	AWG 8	0.129	0.141	0.135	3.43
NU-SLEEVE T117-FR A AWG 7	AWG 7	0.144	0.158	0.151	3.84
NU-SLEEVE T117-FR A AWG 6	AWG 6	0.162	0.178	0.170	4.32
NU-SLEEVE T117-FR A AWG 5	AWG 5	0.182	0.198	0.190	4.83
NU-SLEEVE T117-FR A AWG 4	AWG 4	0.204	0.224	0.214	5.44
NU-SLEEVE T117-FR A AWG 3	AWG 3	0.229	0.249	0.239	6.07
NU-SLEEVE T117-FR A AWG 2	AWG 2	0.258	0.278	0.268	6.81
NU-SLEEVE T117-FR A AWG 1	AWG 1	0.289	0.311	0.300	7.62
NU-SLEEVE T117-FR A 5/16	5/16"	0.313	0.334	0.324	8.23
NU-SLEEVE T117-FR A AWG 0	AWG 0	0.325	0.347	0.336	8.53
NU-SLEEVE T117-FR A 3/8	3/8"	0.375	0.399	0.387	9.83
NU-SLEEVE T117-FR A 7/16	7/16"	0.438	0.462	0.450	11.43
NU-SLEEVE T117-FR A 1/2	1/2"	0.500	0.524	0.512	13.00
NU-SLEEVE T117-FR A 5/8	5/8"	0.625	0.655	0.640	16.26
NU-SLEEVE T117-FR A 3/4	3/4"	0.750	0.786	0.768	19.51

* Designation for grade A sleeve. For other dielectric grades, replace the A by B or C.

PACKAGING

Spools, Bulk spools, Cut lengths upon request

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