



® **ATLAS WIRE LLC.**
 1601 Glenlake Av.
 Itasca, ILLINOIS 60143
 (847) 678-1210
 (847) 678-1281
 www.atlaswirecorp.com



Atlas Wire, LLC
 Registered to ISO9001:2015
 and IATF 16949:2016
 Itasca, IL 60143
 Reference No. 10000854



Atlas Wire, LLC
 Registered to ISO9001:2015
 Tucson, AZ 85714
 Reference No. 10003647

MATERIAL SPECIFICATION SHEET

#18 7/26 TC .031" PVC .004" NYLON
RoHS COMPLIANT
MIL-16878/19 TYPE DN
105c - 3,000 VOLTS

CONDUCTOR:	#18 7/26 TINNED COPPER 3/4"	
	NOMINAL O.D.	.048"
	APPROXIMATE CIRCULAR MILL AREA	1.779
	WEIGHT PER THOUSAND FEET	5.56#
	BASIC SPECIFICATION	ASTM B-8 ASTM B-286
PVC:	TEMPERATURE RATING	105c
	VOLTAGE RATING	3000 VOLTS
	ELONGATION	330% AVG.
	SPECIFIC GRAVITY	1.32
	DUROMETER (SHORE)	91 (A)
	TENSILE STRENGTH	2450 PSI AVG
	SPARK TESTED	15,000 VOLTS
	OXYGEN INDEX	28
	BRITTLE POINT	-24c
	FINISHED O.D.	.109"
	WEIGHT PER 1,000 FEET	10.19#
NYLON:	ELONGATION	300%
	TENSILE STRENGTH	7400 PSI @ 50%
		RELATIVE HUMIDITY
	SPECIFIC GRAVITY	1.13
	OVERALL DIAMETER	.117"
	WEIGHT PER M FEET	10.82#
REVISION:	MIL-DTL-16878G	- PRINT REQUIRED*

* OUR STANDARD IS PRINTED, IF NO PRINTING IS PREFERRED
 PLEASE CALL THAT OUT AT TIME OF ORDER.

MEETS ALL REQUIREMENTS LISTED ON THE MIL-DTL-16878/19B DETAIL SPECIFICATION SHEET WITH THE EXCEPTION OF ATLAS CONDITIONING FOR THE HEAT RESISTANCE TEST AT 136c.

www.atlaswirecorp.com

Revision 09/29/2023