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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

**#14 19/27 TC .017" PVC .004" NYLON**  
**RoHS COMPLIANT**  
**MIL-16878/18 TYPE CN**  
**105c - 1,000 VOLTS**

<b>CONDUCTOR:</b>	#14 19/27 TINNED COPPER 1-1/4"	
	NOMINAL O.D.	.071"
	APPROXIMATE CIRCULAR MILL AREA	3,831
	WEIGHT PER THOUSAND FEET	11.60#
	BASIC SPECIFICATION	ASTM B-8 ASTM B-286
<b>PVC:</b>	TEMPERATURE RATING	105c
	VOLTAGE RATING	1000 VOLTS
	ELONGATION	330% AVG.
	SPECIFIC GRAVITY	1.32
	DUROMETER (SHORE)	91 (A)
	TENSILE STRENGTH	2450 PSI AVG
	SPARK TESTED	8,500 VOLTS
	OXYGEN INDEX	28
	BRITTLE POINT	-24c
	FINISHED O.D.	.105"
	WEIGHT PER 1,000 FEET	14.43#
<b>NYLON:</b>	ELONGATION	300%
	TENSILE STRENGTH	7400 PSI @ 50%
		RELATIVE HUMIDITY
	SPECIFIC GRAVITY	1.13
	OVERALL DIAMETER	.113"
	WEIGHT PER M FEET	15.03#
<b>REVISION:</b>	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-16878/18B DETAIL SPECIFICATION SHEET WITH THE EXCEPTION OF ATLAS CONDITIONING FOR THE HEAT RESISTANCE TEST AT 136c.

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