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Atlas Wire, LLC  
Registered to ISO9001 and TS16949

Schiller Park, IL 60176  
Reference No. 10000854

Tucson, AZ 85714  
Reference No. 10003647

## MATERIAL SPECIFICATION SHEET

**#12 19/25 TC .017" PVC .004" NYLON**  
**RoHS COMPLIANT**  
**MIL-16878/18 TYPE CN**  
**105c - 1,000 VOLTS**

<b>CONDUCTOR:</b>	#12 19/25 TINNED COPPER 1-1/4" UNILAY	
	NOMINAL O.D.	.090"
	APPROXIMATE CIRCULAR MILL AREA	6,088
	WEIGHT PER THOUSAND FEET	18.80#
	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.	.124"
	WEIGHT PER 1,000 FEET	22.24#
<b>NYLON:</b>	ELONGATION	300%
	TENSILE STRENGTH	7400 PSI @ 50%
	RELATIVE HUMIDITY	
	SPECIFIC GRAVITY	1.13
	OVERALL DIAMETER	.132"
	WEIGHT PER M FEET	22.95#
<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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