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Atlas Wire Corporation  
Registered to ISO9001 and TS16949  
Schiller Park, IL 60176  
Reference No. 10000854  
Tucson, AZ 85714  
Reference No. 10003647

## MATERIAL SPECIFICATION SHEET

**#22 7/30 TC .010" PVC .003" NYLON**  
**RoHS COMPLIANT**  
**MIL-16878/17 TYPE BN**  
**105c - 600 VOLTS**

<b>CONDUCTOR:</b>	#22 7/30 TINNED COPPER 3/4" CONCENTRIC	
	NOMINAL O.D.	.030"
	APPROXIMATE CIRCULAR MILL AREA	700
	WEIGHT PER THOUSAND FEET	2.20#
	BASIC SPECIFICATION	ASTM B-8 ASTM B-286
<b>PVC:</b>	TEMPERATURE RATING	105c
	VOLTAGE RATING	600 VOLTS
	ELONGATION	300% AVG.
	SPECIFIC GRAVITY	1.34
	DUROMETER (SHORE)	47 (D)
	TENSILE STRENGTH	3000 PSI AVG
	SPARK TESTED	5,700 VOLTS
	OXYGEN INDEX	25
	BRITTLE POINT	-29c
	FINISHED O.D.	.051"
	WEIGHT PER 1,000 FEET	2.95#
<b>NYLON:</b>	ELONGATION	300%
	TENSILE STRENGTH	7400 PSI @ 50%
	RELATIVE HUMIDITY	
	SPECIFIC GRAVITY	1.13
	OVERALL DIAMETER	.057"
	WEIGHT PER M FEET	3.18#
<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-16878/17B DETAIL SPECIFICATION SHEET WITH THE EXCEPTION OF ATLAS CONDITIONING FOR THE HEAT RESISTANCE TEST AT 136c.

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