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 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

**#20 7/28 TC .010" PVC .003" NYLON**  
**RoHS COMPLIANT**  
**MIL-16878/17 TYPE BN**  
**105c - 600 VOLTS**

<b>CONDUCTOR:</b>	#20 7/28 TINNED COPPER 3/4"	
	NOMINAL O.D.	.038"
	APPROXIMATE CIRCULAR MILL AREA	1.118
	WEIGHT PER THOUSAND FEET	3.40#
	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.	.058"
	WEIGHT PER 1,000 FEET	4.30#
<b>NYLON:</b>	ELONGATION	300%
	TENSILE STRENGTH	7400 PSI @ 50% RELATIVE HUMIDITY
	SPECIFIC GRAVITY	1.13
	OVERALL DIAMETER	.064"
	WEIGHT PER M FEET	4.56#
<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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