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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

#20 7/28 TC .017" PVC .003" NYLON
RoHS COMPLIANT
MIL-16878/18 TYPE CN
105c - 1,000 VOLTS

CONDUCTOR:	#20 7/28 TINNED COPPER 3/4" CONCENTRIC	
	NOMINAL O.D.	.038"
	APPROXIMATE CIRCULAR MILL AREA	1.118
	WEIGHT PER THOUSAND FEET	3.40#
	BASIC SPECIFICATION	ASTM B-8 ASTM B-286
PVC:	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.	.072"
	WEIGHT PER 1,000 FEET	5.17#
NYLON:	ELONGATION	300%
	TENSILE STRENGTH	7400 PSI @ 50%
	RELATIVE HUMIDITY	
	SPECIFIC GRAVITY	1.13
	OVERALL DIAMETER	.078"
	WEIGHT PER M FEET	5.48#
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-16878/18B DETAIL SPECIFICATION SHEET WITH THE EXCEPTION OF ATLAS CONDITIONING FOR THE HEAT RESISTANCE TEST AT 136c.

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