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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

#18 16/30 TC 1/64" PVC .005 NYLON
RoHS COMPLIANT

MACHINE TOOL WIRE TYPE TFFN 600v GASOLINE & OIL RESISTANT II OR
AWM STYLE 1316 105c 600v OR AWM 1408 90c 600v OR
AWM 1452 90c 1,000v VW-1 CSA TEWN 105c 600v FT1

CONDUCTOR:	#18 16/30 TINNED COPPER 1" LAY BUNCHED	
	NOMINAL DIAMETER	.048"
	APPROXIMATE CIRCULAR MILL AREA	1,600
	WEIGHT PER THOUSAND FEET	5.00#
	BASIC SPECIFICATION	ASTM B 174
PVC:	TEMPERATURE RATING	105c
	ELONGATION	330% AVERAGE
	SPECIFIC GRAVITY	1.32
	DUROMETER (SHORE)	91 (D)
	MINIMUM TENSILE STRENGTH	2450 PSI
	OXYGEN INDEX	28
	BRITTLE POINT	-24c
	SPARK TESTED	8,500 VOLTS
NYLON:	ELONGATION	300%
	TENSILE STRENGTH	11,500 PSI AVG
	SPECIFIC GRAVITY	1.13
	FLEX STRENGTH	97
	OVERALL DIAMETER	.090"
	WEIGHT PER M FEET	7.52#
USE:	INTERNAL WIRING OF APPLIANCES, OR INTERNAL WIRING OF APPLIANCES WHERE EXPOSED TO OIL & GASOLINE AT A TEMPERATURE NOT EXCEEDING 60c. UL 1316 – GASOLINE & OIL RESISTANT NOT EXCEEDING 60c UL 1408 – OIL & MOISTURE 60c 2,500v PEAK FOR ELECTRONIC USE ONLY. UL 1452 – 3,500v PEAK FOR ELECTRONIC USE ONLY.	

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