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Atlas Wire, LLC
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

#18 16/30 TC 3/64" PVC
RoHS COMPLIANT
MACHINE TOOL WIRE 600V N.E.C. STANDARD &
AWM STYLES 1028 & 1231 105C – 600V VW-1 MOISTURE RESISTANT 60C
& CSA TEW OR AWM I A/B 105C-600V FT1

CONDUCTOR:	#18 16/30 TC 1" BUNCHED	
	APPROXIMATE NOMINAL O.D.	.048"
	APPROXIMATE CIRCULAR MILL AREA	1,600
	WEIGHT PER THOUSAND FEET	5.00#
	BASIC SPECIFICATION	ASTM B 174
PVC:	TEMPERATURE RATING	105c
	VOLTAGE RATING	600 VOLTS
	ELONGATION	320% AVERAGE
	TENSILE STRENGTH	2450 PSI AVERAGE
	SPECIFIC GRAVITY	1.34
	DUROMETER (SHORE)	85 (A)
	OXYGEN INDEX	25
	BRITTLE POINT	-25c
	SPARK TESTED	12,500 VOLTS
	NOMINAL O.D.	.141
	WEIGHT PER THOUSAND FEET	13.30#
USE:	INTERNAL WIRING OF APPLIANCES WHERE EXPOSED TO TEMPERATURES NOT EXCEEDING 105 DEG C: OR WHERE EXPOSED TO OIL AT A TEMPERATURE NOT EXCEEDING 60 DEG C. MOISTURE RESISTANT 60C. 2500 VOLTS PEAK – FOR ELECTRONIC USE ONLY.	