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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

#18 16/30 TC 1/32" PVC WITH .018" PVC JACKET
RoHS COMPLIANT
DOUBLE INSULATED UL APPLIANCE WIRE
AWM STYLE 1483 105c-600v VW-1
CSA AWM I A/B 105c-600v FT-1 OR CSA TR-32 90c-600v FT-1

CONDUCTOR:	#18 16/30 TINNED COPPER 1" BUNCHED LAY	
	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	330%
	SPECIFIC GRAVITY	1.32
	DUROMETER DELAYED (SHORE)	91 (A)
	TENSILE STRENGTH	2450 PSI
	OXYGEN INDEX	28
	BRITTLE POINT	-24c
	SPARK TESTED	10,000 VOLTS
	FINISHED O.D.	.110"
PVC JACKET:	TEMPERATURE RATING	105c
	UL1569 105c	
	VOLTAGE RATING	600 VOLTS
	FINISHED OD	.146"
	SPARK TESTED	10,000 VOLTS
	WEIGHT PER THOUSAND FEET	13.98#
USE:	INTERNAL WIRING OF APPLIANCES (REINFORCED INSULATION) – 105c-600v	