



ATLAS WIRE LLC.  
 9525 RIVER STREET  
 SCHILLER PARK, ILLINOIS 60176  
 (847) 678-1210  
 (847) 678-1281 FAX  
 www.atlaswirecorp.com



Atlas Wire, LLC  
 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 1/32" 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**

<b>CONDUCTOR:</b>	#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
<b>PVC:</b>	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"
<b>PVC JACKET:</b>	TEMPERATURE RATING	105c
	VOLTAGE RATING	600 VOLTS
	FINISHED OD	.146"
	SPARK TESTED	10,000 VOLTS
	WEIGHT PER THOUSAND FEET	13.98#
<b>USE:</b>	INTERNAL WIRING OF APPLIANCES (REINFORCED INSULATION) – 105c-600v	

info@atlaswirecorp.com

Revision 02-22-16