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Atlas Wire Corporation  
Registered to ISO9001 and TS16949  
Schiller Park, IL 60176  
Reference No. 10000654  
Tucson, AZ 85714  
Reference No. 10003647

## MATERIAL SPECIFICATION SHEET

**#18 41/34 TC 1/32" PVC**

**RoHS COMPLIANT**

**MACHINE TOOL WIRE 600V N.E.C. STANDARD &  
AWM STYLES 1015 & 1230 105C - 600V OR AWM 1032 90C - 1,000V OR  
AWM 1013 & 1011 & 1335 90C - 600V  
CSA TEW OR AWM I A/B 105C-600V FT1 CSA OIL & WATER  
RESISTANT 75C FT1 CSA TR-32 90c**

<b>CONDUCTOR:</b>	#18 41/34 TC 1" BUNCHED	
	APPROXIMATE NOMINAL O.D.	.048"
	APPROXIMATE CIRCULAR MILL AREA	1,632
	WEIGHT PER THOUSAND FEET	5.00#
	BASIC SPECIFICATION	ASTM B 174
<b>PVC:</b>	TEMPERATURE RATING	105c
	VOLTAGE RATING	600 VOLTS
	ELONGATION	330% AVG
	SPECIFIC GRAVITY	1.32
	DUROMETER (SHORE)	91 (A)
	TENSILE STRENGTH	2,450 PSI AVG
	OXYGEN INDEX	28
	BRITTLE POINT	-24c
	SPARK TESTED	10,000 VOLTS
	FINISHED O.D.	.110"
	WEIGHT PER THOUSAND FEET	9.63#
<b>USE:</b>	INTERNAL WIRING OF APPLIANCES; OR INTERNAL WIRING OF APPLIANCES WHERE EXPOSED TO OIL AT A TEMPERATURE NOT EXCEEDING 60c.	
<b>UL1230,1335 :</b>	MOISTURE RATING 60c.	
<b>UL1032 :</b>	3,500v PEAK FOR ELECTRONIC USE ONLY	
<b>UL 1015, 1013:</b>	2,500v PEAK FOR ELECTRONIC USE ONLY	

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