



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 SOLID TINNED COPPER 1/64" PVC**  
**RoHS COMPLIANT**  
**AWM STYLE 1569 105c-300v**  
**AWM STYLE 1007 80c-300v VW-1 OR**  
**CSA TR 64 90c OR AWM 1 A/B 105c-300v FT-1**

**CONDUCTOR:**

#18 SOLID TINNED COPPER  
 NOMINAL O.D. .0403"  
 APPROXIMATE CIRCULAR MILL AREA 1,624  
 WEIGHT PER THOUSAND FEET 4.97#  
 BASIC SPECIFICATION ASTM B 33

**PVC:**

TEMPERATURE RATING UL1007 80c  
 UL1569 105c  
 VOLTAGE RATING 300 VOLTS  
 ELONGATION 330% AVERAGE  
 SPECIFIC GRAVITY 1.32  
 DUROMETER (SHORE) 91 (A)  
 TENSILE STRENGTH 2450 PSI AVERAGE  
 OXYGEN INDEX 28  
 BRITTLE POINT -24c  
 SPARK TESTED 5,000 VOLTS  
 FINISHED OD .072"  
 WEIGHT PER THOUSAND FEET 6.67#

**USE:**

INTERNAL WIRING OF APPLIANCES; OR WHERE EXPOSED TO OIL AT TEMPERATURES NOT EXCEEDING 60c. WHERE NOT SUBJECT TO MOVEMENT OR MECHANICAL DAMAGE.  
 600v PEAK FOR ELECTRONIC USE ONLY.

info@atlaswirecorp.com