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ATLAS WIRE CORPORATION  
 REGISTERED TO ISO 9001  
 CERTIFICATE NO. A4894

## MATERIAL SPECIFICATION SHEET

**#18 19/30 TC .010" PVC**  
**RoHS COMPLIANT**  
**MIL-W-16878/1**  
**TYPE B 105c – 600v**

**CONDUCTOR:** #18 19/30 TINNED COPPER 3/4" UNILAY CONDUCTOR  
 NOMINAL O.D. .050"  
 APPROXIMATE CIRCULAR MILL AREA 1,900  
 WEIGHT PER THOUSAND FEET 5.9#  
 BASIC SPECIFICATION ASTM B-8  
 ASTM B-286

**PVC:** TEMPERATURE RATING 105c  
 VOLTAGE RATING 600 VOLTS  
 ELONGATION 300% AVG.  
 SPECIFIC GRAVITY 1.34  
 DUROMETER (SHORE) 47 (D)  
 OXYGEN INDEX 25  
 BRITTLE POINT -29c  
 TENSILE STRENGTH 3000 PSI AVG  
 SPARK TESTED 3,500 VOLTS  
 FINISHED O.D. .070"  
 WEIGHT PER 1,000 FEET 7.03#

**REVISION:** M1L-W-16878E/1 - NO PRINTING REQUIRED\*  
 M1L-W-16878F/1 - PRINT REQUIRED\*

\* OUR STANDARD IS UNPRINTED, IF PRINTING IS REQUIRED  
 PLEASE CALL THAT OUT AT TIME OF ORDER.