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ATLAS WIRE CORPORATION  
REGISTERED TO ISO 9001  
CERTIFICATE NO. A4894

## MATERIAL SPECIFICATION SHEET

**#16 19/29 TINNED COPPER .010" PVC**  
**RoHS COMPLIANT**  
**MIL-16878/1 TYPE B**  
**105c - 600 VOLTS**

**CONDUCTOR:** #16 19/29 TINNED COPPER 3/4" UNILAY CONDUCTOR  
NOMINAL O.D. .057"  
APPROXIMATE CIRCULAR MILL AREA 2,409  
WEIGHT PER THOUSAND FEET 7.50#  
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)  
COLD BEND TEST -54  
TENSILE STRENGTH 3000 PSI AVG  
SPARK TESTED 3,500 VOLTS  
FINISHED O.D. .077"  
WEIGHT PER 1,000 FEET 8.77#

**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.