



ATLAS WIRE CORPORATION  
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ATLAS WIRE CORPORATION  
REGISTERED TO ISO 9002  
CERTIFICATE NO. A4894

## MATERIAL SPECIFICATION SHEET

**#18 16/30 TC .017" PVC**  
**RoHS COMPLIANT**  
**MIL SPEC**  
**MIL-16878/2 TYPE C 1000V-105C**  
**MIL-W-76D TYPE MWP 1000V - 90C**

**CONDUCTOR:** #18 16/30 TINNED COPPER 1" BUNCHED  
NOMINAL O.D. .048"  
APPROXIMATE CIRCULAR MILL AREA 1,600  
WEIGHT PER THOUSAND FEET 5.00#  
BASIC SPECIFICATION ASTM B 174

**LEAD-FREE PVC:**  
TEMPERATURE RATING TYPE C 105c  
VOLTAGE RATING 1000 VOLTS  
WALL THICKNESS .017"  
FINISHED OD .082"  
ELONGATION 330% AVERAGE  
TENSILE STRENGTH 2850 PSI AVERAGE  
SPECIFIC GRAVITY 1.35  
DUROMETER (SHORE) 92 (A)  
OXYGEN INDEX 29  
BRITTLE POINT -25c  
SPARK TESTED 5,000 VOLTS  
WEIGHT PER THOUSAND FEET 7.08#

**REVISION:** M1L-W-16878E/2 - NO PRINTING REQUIRED\*  
M1L-W-16878G/2 - PRINT REQUIRED\*

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