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 Reference No. 10003647

## MATERIAL SPECIFICATION SHEET

**#16 19/29 TINNED COPPER .031" PVC**  
**RoHS COMPLIANT**  
**MIL 16878 TYPE D 105c - 3000 VOLT**  
**MIL -W-76D TYPE HWP 80c - 2500 VOLT**

**CONDUCTOR:** #16 19/29 TINNED COPPER 3/4" UNILAY  
 APPROXIMATE NOMINAL O.D. .057"  
 APPROXIMATE CIRCULAR MILL AREA 2,409  
 WEIGHT PER THOUSAND FEET 7.5#  
 BASIC SPECIFICATION ASTM B 8  
 ASTM B 286

**PVC:** TEMPERATURE RATING 105c  
 VOLTAGE RATING 600 VOLTS  
 ELONGATION 300% AVERAGE  
 TENSILE STRENGTH 3000 PSI AVERAGE  
 SPECIFIC GRAVITY 1.34  
 DUROMETER (SHORE) 47 (D)  
 OXYGEN INDEX 25  
 BRITTLE POINT -55c  
 SPARK TESTED 10,000 VOLTS  
 FINISHED O.D. .118"  
 WEIGHT PER THOUSAND FEET 12.65#

**REVISION:** M1L-W-16878E/3 - NO PRINTING REQUIRED\*  
 M1L-W-16878G/3 - PRINT REQUIRED\*

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