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 Registered to ISO9001 and TS16949  
 Itasca, IL 60176  
 Reference No. 10000854  
 Tucson, AZ 85714  
 Reference No. 10003647

## 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

**PVC:**

TEMPERATURE RATING TYPE C	105c
VOLTAGE RATING	1000 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	7,100 VOLTS
FINISHED OD	.080"
WEIGHT PER THOUSAND FEET	7.09#

**REVISION:** M1L-DTL-16878H - PRINT REQUIRED\*

\* OUR STANDARD IS PRINTED, IF NO PRINTING IS PREFERRED PLEASE CALL THAT OUT AT TIME OF ORDER.

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