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

## MATERIAL SPECIFICATION SHEET

### #18 16/30 BC .031" PVC - .031" PVC JACKET RoHS COMPLIANT AWM STYLE 1120 105C 600V VW-1 CSA AWM I A/B 105C 600V FT-1

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

**PVC:** TEMPERATURE RATING 105c  
VOLTAGE RATING 600v  
ELONGATION 330% AVERAGE  
SPECIFIC GRAVITY 1.32  
DUROMETER (SHORE) 91 (A)  
TENSILE STRENGTH 2450 PSI  
SPARK TESTED 10,000 VOLTS  
OXYGEN INDEX 28  
BRITTLE POINT -24c  
FINISHED O.D. (Tolerance of + or - .002") .110"  
WEIGHT PER THOUSAND FEET 9.63#

#### PVC JACKET – RoHS COMPLIANT

**PVC JACKET:** TEMPERATURE RATING 105c  
VOLTAGE RATING 300v  
ELONGATION 330% AVERAGE  
SPECIFIC GRAVITY 1.32  
DUROMETER (SHORE) 91 (A)  
TENSILE STRENGTH 2450 PSI  
SPARK TESTED 10,000 VOLTS  
FINISHED O.D. (Tolerance of + or - .002") .172"  
WEIGHT PER THOUSAND FEET 17.89# (estimated)

**USE:** INTERNAL WIRING OF APPLIANCES OR PHONOGRAPH  
PICK-UP AND VOLUME CONTROL