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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 TOPCOAT COPPER 1/64" PVC**  
**RoHS COMPLIANT**  
**18 AWG. E25635 RU AWM STYLE 1569 105C-300V**  
**OR AWM STYLE 1007 80C - 300V VW-1**  
**CSA 150272 TR-64 90C FT1 OR AWM I-A/B 105C - 300V FT1**

**CONDUCTOR:** #18 16/30 TOPCOAT 5/8" LAY  
NOMINAL O.D. .045"  
APPROXIMATE CIRCULAR MILL AREA 1,600  
WEIGHT PER THOUSAND FEET 5.20#  
BASIC SPECIFICATION ASTM B 470 TYPE I

**PVC:** TEMPERATURE RATING UL1007 80c  
UL1569 105c  
VOLTAGE RATING 300 VOLTS  
ELONGATION 330% AVERAGE  
TENSILE STRENGTH 2450 PSI AVERAGE  
SPECIFIC GRAVITY 1.32  
DUROMETER (SHORE) 91 (A)  
OXYGEN INDEX 28  
BRITTLE POINT -24c  
SPARK TESTED 7,100 VOLTS  
FINISHED OD .078"  
WEIGHT PER THOUSAND FEET 7.04

**USE:** INTERNAL WIRING OF APPLIANCE; OR WHERE EXPOSED TO OIL AT TEMPERATURES NOT EXCEEDING 60c. WHERE NOT SUBJECTED TO MOVEMENT OR MECHANICAL DAMAGE. 600v PEAK FOR ELECTRONIC USE ONLY.

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