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 Schiller Park, IL 60176  
 Reference No. 10000854  
 Tucson, AZ 85714  
 Reference No. 10003647

## MATERIAL SPECIFICATION SHEET

**#18 16/30 PREBOND 1/32" PVC**

**RoHS Compliant**

**AWM Styles UL1015, 1230 600v-105c**

**AWM Styles UL 1013, 1335 600v-90c**

**AWM Styles UL 1032 1,000v-90c VW1**

**CSA TEW 105c-600v FT1 OR AWM 1 A/B 105c-600v FT1**

**CSA TR-32 90c FT1 – Oil and Water Resistant 75c**

**CONDUCTOR:** #18 16/30 Prebond Copper 1/2" Lay  
 NOMINAL O.D. .046"  
 APPROXIMATE CIRCULAR MILL AREA 1,600  
 WEIGHT PER THOUSAND FEET 5.10#  
 BASIC SPECIFICATION ASTM B 470 TYPE II

**PVC:**

TEMPERATURE RATING	105c
VOLTAGE RATING	600 VOLTS
ELONGATION	330% AVERAGE
TENSILE STRENGTH	2450 PSI AVERAGE
SPECIFIC GRAVITY	1.32
DUROMETER (SHORE)	91 (A)
OXYGEN INDEX	28
BRITTLE POINT	-24c
WALL THICKNESS	.031"
NOMINAL DIAMETER OF WIRE	.108"
SPARK TESTED	10,000 VOLTS
WEIGHT PER THOUSAND FEET	9.58#

**USE:** INTERNAL WIRING OF APPLIANCES; OR INTERNAL WIRING OF APPLIANCES WHERE EXPOSED TO OIL AT A TEMPERATURE NOT EXCEEDING 60c.

UL 1230, 1335 – MOISTURE RATING 60C.

UL 1032 – 3,500V PEAK FOR ELECTRONIC USE ONLY

UL 1015, 1013 – 2,500V PEAK FOR ELECTRONIC USE ONLY

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