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Atlas Wire, LLC
Registered to ISO9001 and TS16949
Itasca, IL 60143
Reference No. 10000854
Tucson, AZ 85714
Reference No. 10003647

MATERIAL SPECIFICATION SHEET

**#18 16/30 BC COPPER 1/64" PVC
RoHS COMPLIANT**

**AWM STYLE 1569 105c-300v OR AWM STYLE 1007 80c-300v OR
CSA TR64 90c OR CSA AWM 1 A/B 105c-300v**

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

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
COLD BEND TEST AT -10c
SPARK TESTED 7,100 VOLTS
FINISHED OD .080"
WEIGHT PER THOUSAND FEET 6.94

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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