



ATLAS WIRE LLC.
9525 RIVER STREET
SCHILLER PARK, ILLINOIS 60176
(847) 678-1210
(847) 678-1281 FAX
www.atlaswirecorp.com



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

MATERIAL SPECIFICATION SHEET

#18 16/30 TC 1/32" PVC
RoHS COMPLIANT
MACHINE TOOL WIRE 600V N.E.C. STANDARD &
AWM STYLES 1015 & 1230 105C – 600V OR AWM 1032 90C – 1,000V OR
AWM 1013 & 1011 & 1335 90C – 600V
CSA TEW OR AWM I A/B 105C-600V FT1 CSA OIL & WATER
RESISTANT 75C FT1 CSA TR-32 90c

CONDUCTOR: #18 16/30 TC 1" BUNCHED
APPROXIMATE 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 600 VOLTS
ELONGATION 330% AVG
SPECIFIC GRAVITY 1.32
DUROMETER (SHORE) 91 (A)
TENSILE STRENGTH 2,450 PSI AVG
OXYGEN INDEX 28
BRITTLE POINT -24c
SPARK TESTED 10,000 VOLTS
FINISHED O.D. .110"
WEIGHT PER THOUSAND FEET 9.70#

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

UL1230,1335 : MOISTURE RATING 60c.
UL1032 : 3,500v PEAK FOR ELECTRONIC USE ONLY
UL 1015, 1013: 2,500v PEAK FOR ELECTRONIC USE ONLY

info@atlaswirecorp.com

Revision_02-19-2016