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ATLAS WIRE CORPORATION
REGISTERED TO ISO9001:2000
CERTIFICATE NO. A4894

MATERIAL SPECIFICATION SHEET

#18 7/26 TINNED COPPER 1/64" PVC WITH .005" NYLON
RoHS COMPLIANT
TFN 600v GASOLINE & OIL RESISTANT II
AWM 1452 90c – 1000v AWM 1316 105c – 600v
AWM 1408 90c – 600v
CSA TEWN 105c-600v FT-1

CONDUCTOR: #18 7/26 TINNED COPPER .625" CONCENTRIC
APPROXIMATE NOMINAL O.D. .048"
APPROXIMATE CIRCULAR MILL AREA 1,770
WEIGHT PER THOUSAND FEET 5.41#
BASIC SPECIFICATION ASTM B 8

PVC: TEMPERATURE RATING 105c
ELONGATION 330%
SPECIFIC GRAVITY 1.35
DUROMETER DELAYED (SHORE) 92 (A)
TENSILE STRENGTH 2850 PSI
OXYGEN INDEX 29
BRITTLE POINT -25c

NYLON: ELONGATION 300%
SPECIFIC GRAVITY 1.13
TENSILE STRENGTH 11,500 PSI
OVERALL DIAMETER .090"
WEIGHT PER M FEET 7.94#
SPARK TESTED 10,000 VOLTS

USE: N.E.C. FIXTURE WIRE OR INTERNAL WIRING OF APPLIANCES
WHERE EXPOSED TO TEMPERATURES NOT EXCEEDING 105c
OR WHERE EXPOSED TO OIL AT A TEMPERATURE NOT
EXCEEDING 60c