MATERIAL SPECIFICATION SHEET

#18 16/30 TC 1/64" PVC WITH .031" PVC JACKET
RoHS COMPLIANT
DOUBLE INSULATED UL APPLIANCE WIRE
AWM STYLE 1509 105c-300v VW-1
CSA AWM I A/B 105c-300v FT-1

CONDUCTOR: #18 16/30 TINNED COPPER 1” BUNCHE 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 105c
VOLTAGE RATING 300 VOLTS
ELONGATION 330%
SPECIFIC GRAVITY 1.32
DUROMETER DELAYED (SHORE) 91 (A)
TENSILE STRENGTH 2450 PSI
OXYGEN INDEX 28
BRITTLE POINT -24c
SPARK TESTED 7,100 VOLTS
FINISHED O.D. .080"

PVC JACKET:
TEMPERATURE RATING 105c
VOLTAGE RATING 300 VOLTS
FINISHED OD .142"
SPARK TESTED 10,000 VOLTS
WEIGHT PER THOUSAND FEET 13.44#

USE:
INTERNAL WIRING OF APPLIANCES
(REINFORCED INSULATION) – 105c-300v

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