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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" 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 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
 UL1569 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