

09-11-07 REV. 0

AG52557

I. DESCRIPTION

AUTOMOTIVE COMPOSITE CABLE:
ELEMENT 1) TWO CONDUCTOR 22 AWG (19X34) TINNED COPPER, PVC INSULATION.
ELEMENT 2) ONE 30 AWG (7X38) COAX, LDPE INSULATION, 95% TC BRAID, PVC JACKET.
ELEMENT 3) ONE FOIL SHIELDED 24 AWG (19X36) TWISTED PAIR, PVC INSULATION.
OVERALL FOIL SHIELD WITH DRAIN WIRE BETWEEN THE SHIELDED PAIR AND THE OVERALL FOIL SHIELD. OVERALL PVC JACKET.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE (OVERALL): 300 V RMS
NOM. CONDUCTOR DC RESISTANCE @ 20 DEG. C:
ELEMENT 1: .85 OHMS/1000 FT.
ELEMENT 2: 14.8 OHMS/1000 FT.
ELEMENT 3: 1.35 OHMS/1000 FT.
NOM. SHIELD DC RESISTANCE @ 20 DEG. C:
ELEMENT 2: 8.64 OHMS/1000 FT.
NOM. CAPACITANCE ELEMENT 2: 21 PF/FT

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: +80 DEG.C
JACKET MATERIAL (COLOR):
OVERALL: FRPVC (DARK GRAY)
ELEMENT 2: PVC (BROWN)
TYPE SHIELD AND % COVERAGE:
OVERALL: ALUM/POLYESTER-100%
ELEMENT 3: ALUM/POLYESTER-100%
INSULATION MATERIAL:
ELEMENT 1: SEMI-RIGID PVC
ELEMENT 2: LDPE
ELEMENT 3: SEMI-RIGID PVC
CABLE DIAMETER: .250" AVG.
MIN. BEND RADIUS: 2.5"