

07-09-08 REV. 3

YR51117

I. DESCRIPTION:

COMPOSITE
ELEMENT 1 - 10 AWG (105X#30) TINNED COPPER
CONDUCTOR. PVC INSULATION
.
ELEMENT 2 - ONE PAIR 22 AWG (19X#34) TINNED COPPER
CONDUCTORS. PVC INSULATION
.
OVERALL - FOUR ELEMENT 1'S ARE CABLED WITH TWO
ELEMENT 2'S + POLYPROPYLENE FILLERS. AN OVERALL
BELDFOIL SHIELD WITH A 65% TINNED COPPER BRAID
SHIELD IS APPLIED OVER THE CORE. OVERALL MATTE
GREY JACKET.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 300 V RMS
* MAX. CURRENT/CONDUCTOR@20C (10/22): 37.6 / 6.4 A
NOM. CONDUCTOR DC RESISTANCE
@ 20 DEG. C : (22 AWG) 17.5 OHMS/1000 FT.
(10 AWG) .988 OHMS/1000 FT.
NOM. CAPACITANCE (22 AWG)
CONDUCTOR-TO-CONDUCTOR: 29 PF/FT
CONDUCTOR-TO-SHIELD: 52 PF/FT
NOM. IMPEDANCE: (22 AWG) 63 OHMS
NOM. INDUCTANCE: (22 AWG) .187 MICRO-H/FT

III. PHYSICAL CHARACTERISTICS:

ELEMENT 1:
INSULATION MATERIAL & THICKNESS: PVC; .030"MIN AVG
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ELEMENT 2:
INSULATION MATERIAL & THICKNESS: PVC; .015"MIN AVG.
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OVERALL
TEMPERATURE RATING: -30 TO +105 DEG.C
SHIELD MATERIAL & COVERAGE: ALUM/MYLAR TAPE; 100%
T.C BRAID; 65%
JACKET MATERIAL (COLOR): PVC (GREY)
JACKET DIAMETER: .73" NOMINAL
MIN. BEND RADIUS: 7.3"
MAX. PULLING TENSION: 550 LBS

APPLICABLE SPECIFICATION:

UL AWM 2464
CSA AWM I/II A/B FT4

COLOR CODE:

ELEMENT 1 ELEMENT 2

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BLACK BLACK & RED
RED BLACK & WHITE
BLUE
ORANGE