# Technical Data Sheet

01-15-09 REV. 5

YR50662

## I. DESCRIPTION:

---- COMPOSITE

ELEMENT 1 - 26 AWG (19X#38) TINNED COPPER CONDUCTOR. PVC INSULATION

ELEMENT 2 - ONE PAIR 26 AWG (19X#38) TINNED COPPER CONDUCTORS. PVC INSULATION

ELEMENT 3 - ONE PAIR 22 AWG (19X#34) TINNED COPPER CONDUCTOR. PVC INSULATION

OVERALL - ONE ELEMENT 1 IS CABLED WITH EIGHT ELEMENT 2'S, FOUR ELEMENT 3'S & POLYPROPYLENE FILLERS, OVERALL BELDFOIL(R) SHIELD + A 65% TINNED COPPER BRAID SHIELD, OVERALL MATTE PVC (VINYL TPE) JACKET.

#### II. ELECTRICAL CHARACTERISTICS:

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MAX. OPERATING VOLTAGE: 300 V RMS

NOM. CONDUCTOR DC RESISTANCE

@ 20 DEG. C : (22 AWG) 17.5 OHMS/1000 FT.

(26 AWG) 42 OHMS/1000 FT.

NOM. IMPEDANCE

(22 AWG PAIR): 50 OHMS CALCULATED

(26 AWG PAIR): 65 OHMS CALCULATED

NOM. CAPACITANCE FROM

CONDUCTOR-TO-CONDUCTOR

(22 AWG PAIR): 36 PF/FT

(26 AWG PAIR): 29 PF/FT

NOM. CAPACITANCE FROM

CONDUCTOR-TO-SHIELD

(22 AWG PAIR): 65 PF/FT

(26 AWG PAIR): 51 PF/FT

NOM. INDUCTANCE

(22 AWG): .167 MICRO-H/FT

(26 AWG): .196 MICRO-H/FT

### III. PHYSICAL CHARACTERISTICS:

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ELEMENT 1:

INSULATION MATERIAL & THICKNESS: PVC; .010"MIN AVG

ELEMENT 2:

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INSULATION MATERIAL & THICKNESS: PVC; .010"MIN AVG.

ELEMENT 3:

INSULATION MATERIAL & THICKNESS: PVC; .010"MIN AVG

OVERALL

TEMPERATURE RATING: -30 TO +105 DEG.C SHIELD MATERIAL & COVERAGE: ALUM/MYLAR TAPE; 100%

T.C BRAID; 65%

JACKET MATERIAL: WHITE PVC

\*JACKET DIAMETER: .440" +/- .010"

\*MIN. BEND RADIUS: 4.5"

MAX. PULLING TENSION: 135 LBS

WEIGHT/1000': 105 LBS ESTIMATED

\*APPLICABLE SPECIFICATION: UL AWM 2464

CSA AWM I/II A/B

\*FLAME RESISTANCE: FT2

IV. COLOR CODE:

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ELEMENT 1 ELEMENT 2 ELEMENT 3

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BLACK BLACK & RED RED & GREEN

BLACK & WHITE RED & BLUE

BLACK & GREEN RED & YELLOW

BLACK & BLUE RED & BROWN

BLACK & BROWN

BLACK & ORANGE RED & WHITE