

Preliminary Technical Data Sheet

6 Dec 2018, Rev. 5

SS3171 - Design C

I. Description:

Two 22 AWG Conductors, Two 14 AWG Conductors, PVC Insulation, PVC Jacket

II. Electrical Characteristics:

14 AWG Conductors

Nom. Conductor DC Resistance at 20°C: 2.5 Ohms/1000 ft.

Max. Operating Voltage: 300 Vrms

22 AWG Pair

Nom. Conductor DC Resistance at 20°C: 16.6 Ohms/1000 ft.

Max. Operating Voltage: 300 Vrms

III. Physical Characteristics:

14 AWG Conductors

Conductor

AWG:

Material: Tinned Copper Stranding: 42x30 AWG Nom. Diameter: 0.075 inch

Insulation

Material: PVC

Color: Black, White (one each color)

Quantity: 2

Nom. Diameter: 0.115 inch

22 AWG Pair

Conductor

AWG: 22

Material: Tinned Copper Stranding: 7x30 AWG Nom. Diameter: 0.029 inch

Insulation

Material: PVC

Color: Red, Green (one each color)

Quantity: 2

Nom. Diameter: 0.065 inch

Separator Tape

Material: Polyester

Location: Over 22 AWG Pair

Overall Cabling: Two 14 AWG, One 22 AWG Pair, Fillers

Jacket

Material: PVC

UV Resistant: Yes (Black Only)
Nom. Diameter: 0.326 inch

UL Temperature Rating: 80°C (AWM style 2464)

Non-UL Operating Temperature Range: -20°C to +105°C
Nom. Bulk Cable Weight: TBD lbs/1000 ft.

Min. Bending Radius (Install): 3 inch Max. Recommended Pulling Tension: 105 lbs

UL Rating: AWM style 2464

RoHS Compliant: Yes

Design A: SS3144, Y65902, quote 1249735B, BEC lab report 188464 & 188511.

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PENG: CWD

^{*} References: Design C: Quote 1249735H.