

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:	14
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

\* References: Design C: Quote 1249735H.

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