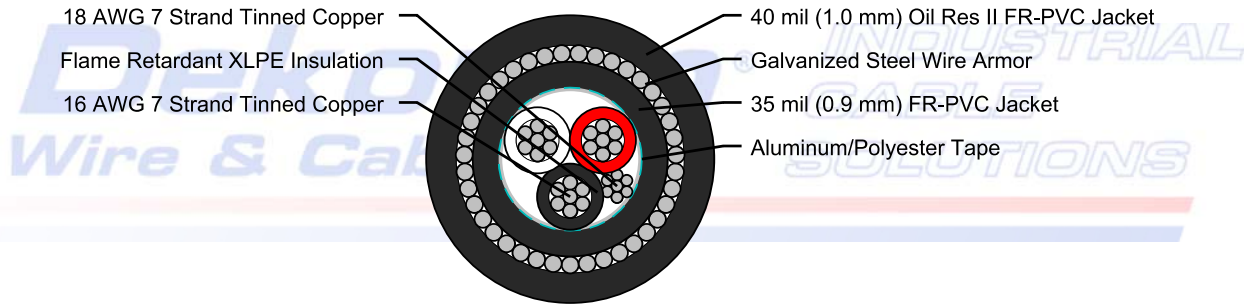


**Instrumentation Cable**

**2X63-6851A-200R1**



**Voltage Rating:** 300V UL PLTC/ITC  
**Temperature Range:** -20°C to 105°C  
**Conforms To:** 34-SAMSS-913 WITH EXCEPTION TO LOW SMOKE; NEC Class I/Div 2; ASTM B3, ASTM B8; ASTM B33; UL 13; UL 2250; UL 1685  
**Configuration:** Single Twisted Triad, Overall Shielded

**Components:**

**Conductor:** 16 AWG (1.3 mm<sup>2</sup>) 7 Strand Tinned Copper  
**Insulation:** 15 mil (0.38 mm) FR-XLPE  
**Color Code:** Black/White/Red  
**Triad Drain:** 18 AWG 7 Strand Tinned Copper  
**Triad Shield:** Aluminum/Polyester Tape  
**Ripcord:** Nylon Ripcord  
**Jacket:** 35 mil (0.89 mm) FR-PVC, Black  
**Armor:** Served Galvanized Steel Wires  
**Jacket:** 40 mil (1.02 mm) Oil Res II FR-PVC, Black

**Physical Attributes:**

**Core Diameter, Nom:** 0.268 in 6.8 mm  
**Core Diameter, Max:** 0.293 in 7.4 mm  
**Armor Diameter, Nom:** 0.314 in 8.0 mm  
**Armor Diameter, Max:** 0.339 in 8.6 mm  
**Cable Diameter, Min:** 0.390 in 9.9 mm  
**Cable Diameter, Nom:** 0.394 in 10.0 mm  
**Cable Diameter, Max:** 0.461 in 11.7 mm  
**Cable Weight:** 147 lbs/Mft 218 kg/km  
**Copper Weight:** 30 lbs/Mft 44 kg/km  
**Pulling Bend Radius, Min:** 5.53 in 140.5 mm  
**Pulling Tension, Max:** 208 lbs 925 N

**Electrical Properties:**

**Conductor Resistance:** 4.35 Ω/Mft 14.27 Ω/km  
**Inductance:** 0.166 μH/ft 0.545 mH/km  
**Mutual Capacitance:** 31 pf/ft 102 nF/km  
**Grounded Capacitance:** 56 pf/ft 184 nF/km  
**L/R Ratio:** 19 μH/Ω

**Marking:**

DEKORON SWA INSTR CABLE 2X63-6851A-200R1 1TR 16 AWG CU 105C XLPE/PVC SHLD (UL) TYPE PLTC OR ITC WET LOCATION SUN RES DIR BUR OIL RES II MT. PLEASANT, TX MADE IN USA WWW.DEKORONCABLE.COM (DATE) (LOT) (SEQ LENGTH)

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