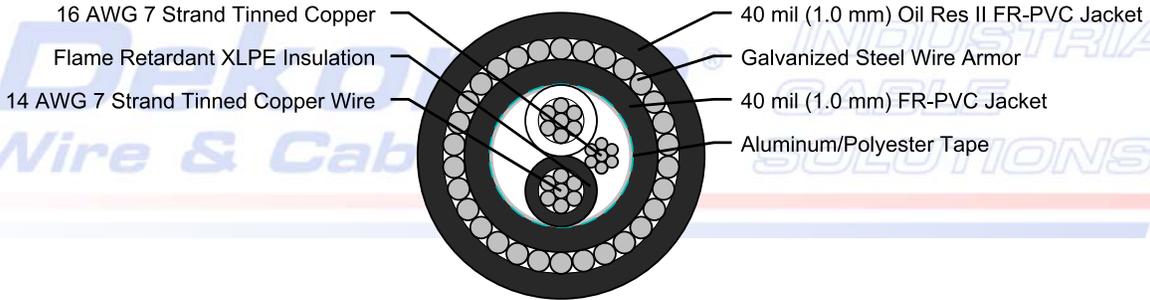


Instrumentation Cable

2X53-4801A-200R1



Voltage Rating: 300V UL PLTC/ITC
Temperature Range: -20°C to 105°C
Conforms To: NEC Class I/Div 2; ASTM B3; ASTM B8; ASTM B33; UL 13; UL 2250; UL 1685
Configuration: Single Twisted Pair, Overall Shielded

Components:

Conductor: 14 AWG (2.1 mm²) 7 Strand Tinned Copper Wire
Insulation: 20 mil (0.51 mm) FR-XLPE
Color Code: Black/White
Pair Drain: 16 AWG 7 Strand Tinned Copper
Pair Shield: Aluminum/Polyester Tape
Ripcord: Nylon Ripcord
Jacket: 40 mil (1.02 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: 0.314 in 8.0 mm
Core Diameter, Max: 0.338 in 8.6 mm
Armor Diameter, Nom: 0.384 in 9.8 mm
Armor Diameter, Max: 0.408 in 10.4 mm
Cable Diameter, Min: 0.460 in 11.7 mm
Cable Diameter, Nom: 0.464 in 11.8 mm
Cable Diameter, Max: 0.528 in 13.4 mm
Cable Weight: 210 lbs/Mft 312 kg/km
Copper Weight: 34 lbs/Mft 51 kg/km
Pulling Bend Radius, Min: 6.34 in 161.0 mm
Pulling Tension, Max: 339 lbs 1508 N

Electrical Properties:

Conductor Resistance: 2.73 Ω/Mft 8.96 Ω/km
Inductance: 0.168 μH/ft 0.551 mH/km
Mutual Capacitance: 34 pf/ft 112 nF/km
Grounded Capacitance: 61 pf/ft 200 nF/km
L/R Ratio: 31 μH/Ω

Marking:

DEKORON SWA INSTR CABLE 2X53-4801A-200R1 1PR 14 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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