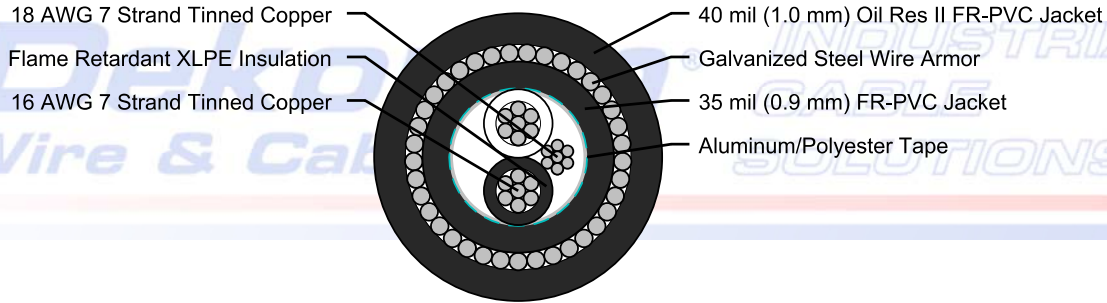


Instrumentation Cable

2X53-6851A-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 Pair, Overall Shielded

Components:

Conductor: 16 AWG (1.3 mm²) 7 Strand Tinned Copper
Insulation: 15 mil (0.38 mm) FR-XLPE
Color Code: Black/White
Pair Drain: 18 AWG 7 Strand Tinned Copper
Pair 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: 0.254 in 6.5 mm
Core Diameter, Max: 0.278 in 7.1 mm
Armor Diameter, Nom: 0.300 in 7.6 mm
Armor Diameter, Max: 0.324 in 8.2 mm
Cable Diameter, Min: 0.376 in 9.6 mm
Cable Diameter, Nom: 0.380 in 9.7 mm
Cable Diameter, Max: 0.445 in 11.3 mm
Cable Weight: 132 lbs/Mft 197 kg/km
Copper Weight: 21 lbs/Mft 32 kg/km
Pulling Bend Radius, Min: 5.34 in 135.6 mm
Pulling Tension, Max: 184 lbs 818 N

Electrical Properties:

Conductor Resistance: 4.35 Ω/Mft 14.27 Ω/km
Inductance: 0.166 μH/ft 0.545 mH/km
Mutual Capacitance: 35 pf/ft 115 nF/km
Grounded Capacitance: 63 pf/ft 207 nF/km
L/R Ratio: 19 μH/Ω

Marking:

DEKORON SWA INSTR CABLE 2X53-6851A-200R1 1PR 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)

This document is the property of Dekoron Wire & Cable LLC.
 All information contained herein is considered proprietary and shall not be altered, copied, or revealed to third parties without express written consent.
 Product specifications subject to change without notice.

All transactions are subject to compliance with our terms and conditions of sale or purchase, as applicable, which are available on our website www.dekoroncable.com or can be provided by calling the company at 903-572-3475.