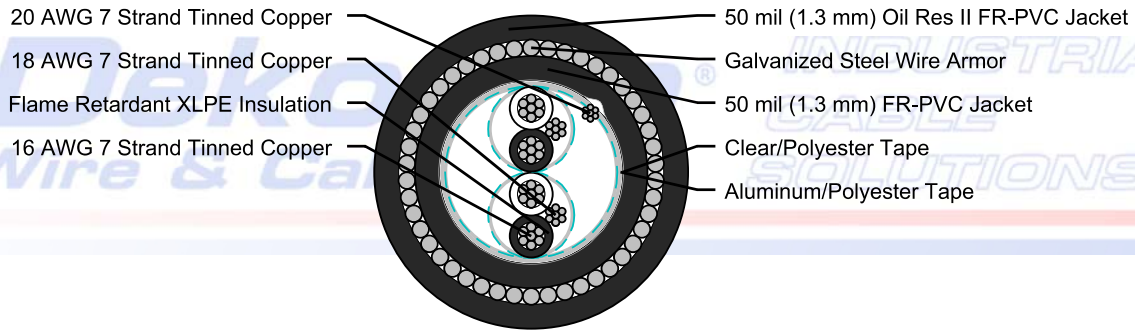


**Instrumentation Cable**

**2X72-60250-300R1**



**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:** Multiple Twisted Pairs, Individually & Overall Shielded  
**Number of Pairs:** 2

**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 - White Numbered  
**Pair Drain:** 18 AWG 7 Strand Tinned Copper  
**Pair Shield:** Aluminum/Polyester Tape  
**Filler:** Non-Hygroscopic Polypropylene  
**Binder:** Clear Polyester Tape  
**Overall Shield:** Aluminum/Polyester Tape  
**Overall Drain:** 20 AWG 7 Strand Tinned Copper  
**Binder:** Clear Polyester Tape  
**Binder:** Polyester Binder  
**Ripcord:** Nylon Ripcord  
**Jacket:** 50 mil (1.27 mm) FR-PVC, Black  
**Armor:** Served Galvanized Steel Wires  
**Jacket:** 50 mil (1.27 mm) Oil Res II FR-PVC, Black

**Physical Attributes:**

**Core Diameter, Nom:** 0.438 in 11.1 mm  
**Core Diameter, Max:** 0.465 in 11.8 mm  
**Armor Diameter, Nom:** 0.508 in 12.9 mm  
**Armor Diameter, Max:** 0.535 in 13.6 mm  
**Cable Diameter, Min:** 0.601 in 15.3 mm  
**Cable Diameter, Nom:** 0.608 in 15.4 mm  
**Cable Diameter, Max:** 0.681 in 17.3 mm  
**Cable Weight:** 315 lbs/Mft 469 kg/km  
**Copper Weight:** 48 lbs/Mft 71 kg/km  
**Pulling Bend Radius, Min:** 8.17 in 207.5 mm  
**Pulling Tension, Max:** 488 lbs 2171 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 2X72-60250-300R1 2PR 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.dekaroncable.com or can be provided by calling the company at 903-572-3475.