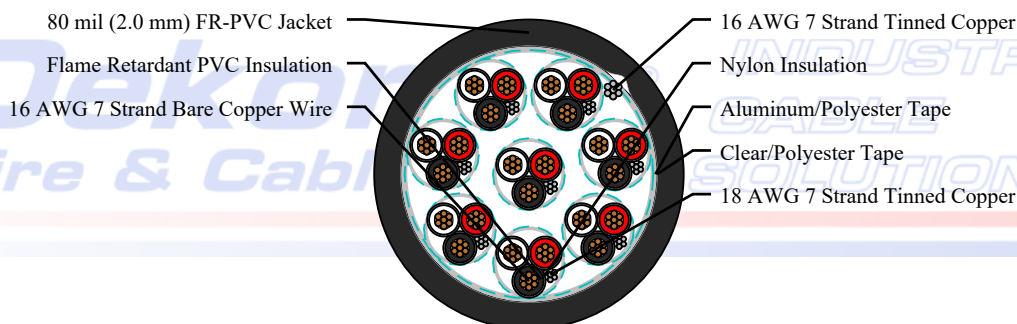


# PRODUCT DATA SHEET

Generated on June 21, 2021

## Instrumentation Cable

# 1C84-60800



**Voltage Rating:** 600V UL Type TC-ER  
**Configuration:** Multiple Twisted Triads, Individually & Overall Shielded  
**Number of Triads:** 8

### Components:

**Conductor:** 16 AWG (1.3 mm<sup>2</sup>) 7 Strand Bare Copper Wire  
**Insulation:** 15/5 mil (0.38/0.13 mm) FR-PVC/Nylon  
**Color Code:** Black/White/Red - White Numbered  
**Triad Drain:** 18 AWG 7 Strand Tinned Copper  
**Triad Shield:** Aluminum/Polyester Tape  
**Binder:** Clear Polyester Tape  
**Overall Shield:** Aluminum/Polyester Tape  
**Overall Drain:** 16 AWG 7 Strand Tinned Copper  
**Binder:** Clear Polyester Tape  
**Binder:** Polyester Binder  
**Ripcord:** Nylon Ripcord  
**Jacket:** 80 mil (2.03 mm) FR-PVC, Black

### Physical Attributes:

|                           |             |           |
|---------------------------|-------------|-----------|
| Cable Diameter, Min:      | 0.861 in    | 21.9 mm   |
| Cable Diameter, Nom:      | 0.889 in    | 22.6 mm   |
| Cable Diameter, Max:      | 0.986 in    | 25.0 mm   |
| Cable Weight:             | 520 lbs/Mft | 774 kg/km |
| Copper Weight:            | 252 lbs/Mft | 375 kg/km |
| Pulling Bend Radius, Min: | 5.92 in     | 150.4 mm  |
| Pulling Tension, Max:     | 612 lbs     | 2722 N    |

### Electrical Properties:

|                       |             |             |
|-----------------------|-------------|-------------|
| Conductor Resistance: | 4.18 Ω/Mft  | 13.71 Ω/km  |
| Inductance:           | 0.179 μH/ft | 0.587 mH/km |
| Mutual Capacitance:   | 49 pf/ft    | 161 nF/km   |
| Grounded Capacitance: | 88 pf/ft    | 289 nF/km   |
| L/R Ratio:            |             | 21 μH/Ω     |

### Marking:

DEKORON INSTR CABLE 1C84-60800 8TR 16 AWG CU 75C WET 90C DRY PVC/NYLON/PVC SHLD 600V (UL) TYPE TC-ER SUN RES DIR BUR MT. PLEASANT, TX MADE IN USA WWW.DEKORONCABLE.COM (DATE) (LOT) (SEQ LENGTH)

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