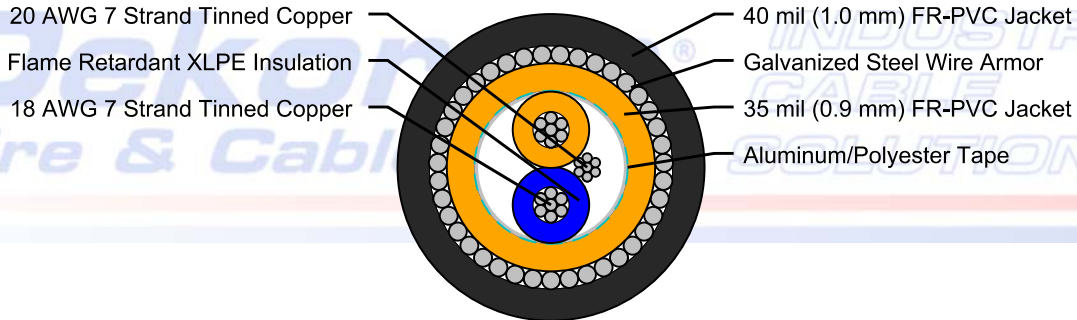


Fieldbus Cable

FB53-8831A-260



Voltage Rating: 300V UL PLTC/ITC
Configuration: Single Twisted Pair, Overall Shielded

Components:

Conductor: 18 AWG (0.8 mm²) 7 Strand Tinned Copper
Insulation: 25 mil (0.64 mm) FR-XLPE
Color Code: Blue/Orange
Pair Drain: 20 AWG 7 Strand Tinned Copper
Pair Shield: Aluminum/Polyester Tape
Ripcord: Nylon Ripcord
Jacket: 35 mil (0.89 mm) FR-PVC, Orange
Armor: Served Galvanized Steel Wires
Jacket: 40 mil (1.02 mm) FR-PVC, Black

Physical Attributes:

Core Diameter, Nom: 0.270 in 6.9 mm
Core Diameter, Max: 0.294 in 7.5 mm
Armor Diameter, Nom: 0.316 in 8.0 mm
Armor Diameter, Max: 0.340 in 8.6 mm
Cable Diameter, Min: 0.392 in 10.0 mm
Cable Diameter, Nom: 0.396 in 10.1 mm
Cable Diameter, Max: 0.462 in 11.7 mm
Cable Weight: 131 lbs/Mft 195 kg/km
Copper Weight: 14 lbs/Mft 21 kg/km
Pulling Bend Radius, Min: 5.54 in 140.7 mm
Pulling Tension, Max: 172 lbs 765 N

Electrical Properties:

Conductor Resistance: 6.92 Ω/Mft 22.70 Ω/km
Inductance: 0.205 μH/ft 0.673 mH/km
Mutual Capacitance: 23 pf/ft 75 nF/km
Grounded Capacitance: 41 pf/ft 135 nF/km
Capacitance Unbalance, Max: 4.0 pF/m
Attenuation (39khz), Max: 3.0 dB/km
Characteristic Impedance: 100±10 Ω
L/R Ratio: 15 μH/Ω

Marking:

DEKORON SWA FIELDBUS CABLE FB53-8831A-260 FF-844 H1 IEC 61158-2 TYPE A 1PR 18 AWG CU 105C XLPE/PVC SHLD (UL) TYPE PLTC OR ITC SUN RES MT. PLEASANT, TX MADE IN USA WWW.DEKORONCABLE.COM (DATE) (LOT) (SEQ LENGTH)

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