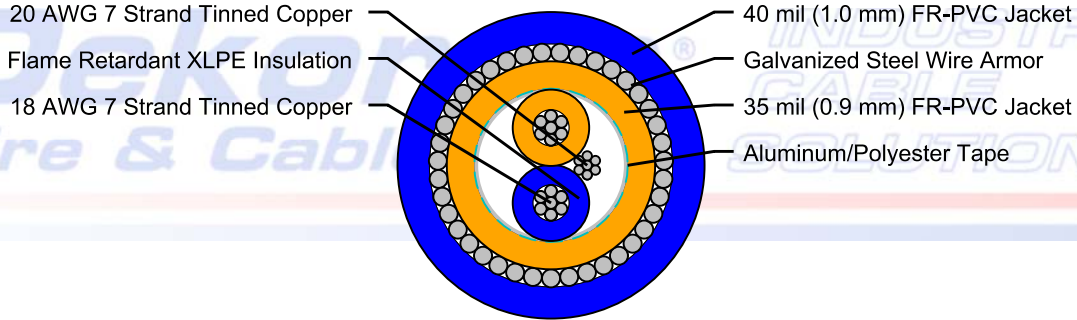


Fieldbus Cable

FB53-8831A-262



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, Blue

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-262 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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