

## ULTRA-LOW CAPACITANCE BULK RUN CABLE SPOOL

CBL1	B	XX	1	8	P	W	XXX.X
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Comm Bus	
Incremental Encoder Interface	
First Connector Type	
See table below	
Purpose of Cable	
Bus in/connection to encoder	
Temp Rating	
80° C Max, Low V Loss Cable	
Cable Jacket Material	
PVC	
Second Connector Type	
No second connector, strip and tin leads only	
Length (meters)	
See table below	

### FEATURES:

- Up to 2000' of continuous runs - no field splicing
- 80° temp range
- Avtron color code
- Ultra-low capacitance to minimize signal loading
- 18 Ga power conductors to minimize power supply loss
- Twisted pairs and overall braided foil shield for excellent noise performance

First Connector Type
BW - No Connector, Cable (<30m)
CW - No Connector, Cable (>30m)



Length			
000.5 - 1.5 feet (0.5m)	010.0 - 33 feet (10.0m)	060.0 - 196 feet (60.0m)	125.0 - 410 feet (125.0m)
001.0 - 3 feet (1.0m)	020.0 - 64 feet (20.0m)	070.0 - 230 feet (70.0m)	150.0 - 492 feet (150.0m)
002.0 - 6 feet (2.0m)	030.0 - 98 feet (30.0m)	080.0 - 260 feet (80.0m)	152.4 - 500 feet (152.4m) 1 spool
003.0 - 10 feet (3.0m)	040.0 - 130 feet (40.0m)	090.0 - 295 feet (90.0m)	304.8 - 1000 feet (304.8m) 1 spool
005.0 - 16 feet (5.0m)	050.0 - 160 feet (50.0m)	100.0 - 320 feet (100.0m)	609.6 - 2000 feet (609.6m) 1 spool

Pair Color Code Chart
Pair 1 - Black--Red 18 AWG
Pair 2 - Green--Yellow 22 AWG
Pair 3 - Blue--Gray 22 AWG
Pair 4 - Orange--White 22 AWG
Pair 5 - Violet--Brown 22 AW

## SPECIFICATIONS

### PHYSICAL CHARACTERISTICS (OVERALL):

#### Conductor:

1 Pair, 18 AWG, 19X30 TC 0.010" SR PVC; 4 Pairs, 22 AWG 7X30 stranding, TC--tinned copper conductor material.

#### Insulation:

FPE Foam Polyethylene

#### Outer Shield:

Layer 1: Overall (100%) Aluminum mylar shield - (Foil Side Out)

Layer 2: TC--tinned copper braid 85%

Outer shield drain: 24 AWG, 7X32 stranding, TC--tinned copper

Outer Jacket: 0.035-0.055" nominal pressure extruded PVC jacket over tissue tape

#### Overall Cable Nominal Diameter:

0.390"

### MECHANICAL CHARACTERISTICS (OVERALL):

#### Operating Temperature Range:

-30°C to +80°C

#### Min. Bend Radius:

3"

### ELECTRICAL CHARACTERISTICS (OVERALL):

#### Nominal Capacitance Conductor to Conductor:

12 pF/ft (22Ga Conductors Only)

#### Nominal Capacitance Conductor to Other Conductor and Shield:

23 pF/ft (22Ga Conductors Only)

#### Maximum Operating Voltage--UL:

300 V RMS (UL AWM Style 2919)

#### Maximum Recommended Current:

2.1 Amps per conductor @ 25°C