

# UCA0114: Smart 2590 Data & Power Cable

## Technical Datasheet



### Technical Specifications

|                           |  |
|---------------------------|--|
| <b>Part No.</b>           | UCA0114  |
| <b>Cable</b>              | Power - (4) 16AWG conductors<br>Communication - (7) 22AWG conductors |
| <b>Max. Voltage</b>       | 36VDC  |
| <b>Max. Current</b>       | 30V Mode: 6.0A continuous<br>15V Mode: 12.0A continuous              |
| <b>Temperature Rating</b> | -40°C to 70°C  |
| <b>Length</b>             | 1.828m (72.0in)  |
| <b>Termination</b>        | Flying leads   |
| <b>Weight</b>             | 0.45kg   |
| <b>Material</b>           | SVT, UL2464 jacketed   |
| <b>Color</b>              | Black  |

### Pin Configuration

#### Power Side Cable (Black)

|       |          |
|-------|----------|
| Black | Batt A - |
| Red   | Batt A + |
| Green | Batt B - |
| White | Batt B + |

#### Communication Side Cable (Grey)

|        |              |
|--------|--------------|
| Brown  | Batt A -     |
| Blue   | Batt B -     |
| Gray   | Batt B Data  |
| Violet | Batt B Clock |
| Yellow | Batt A Data  |
| Orange | Batt A Clock |
| Pink   | Batt Pin 3   |

### Features

- Durable molded housing with mating connector for Ultralife Smart 2590 Batteries
- Full wrap-around nylon strap for secure connection in rugged environment

### Benefits

- Low profile design - conforms to surface of battery
- Access information in a remote environment
- Versatile cable to be used with Ultralife Smart 2590 Batteries (UBBL10 and UBBL13)
- Water resistant housing
- Flying lead connectors allow charging with a power supply and discharging with any electronic device
- Flying lead connectors allow flexibility for customers to terminate ends to match their device's connector

### Applications

- Field access to SMBus information (state of charge, voltage, temperature, calibration status, etc.)
- Diagnostics and testing
- Bench-top charging and discharging of Ultralife Smart 2590 Batteries