

TECHNICAL BULLETIN

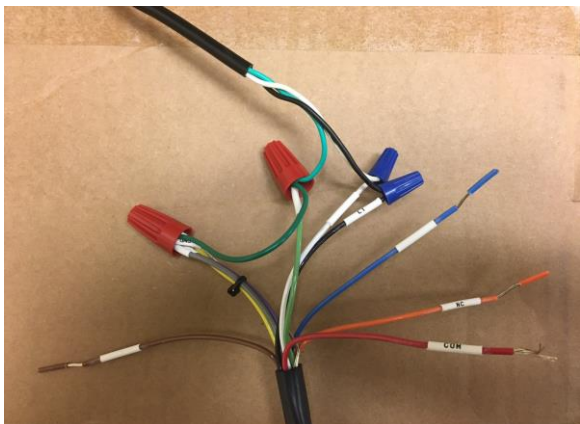
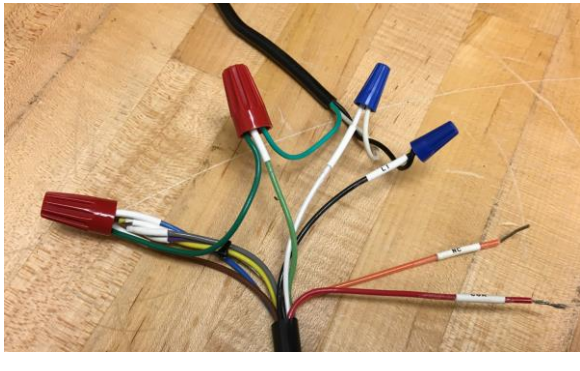
OBSTRUCTION LIGHTING

Technical Support
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Product: FTS 350i-2 Wind Turbine Light Wiring Best Practice
Brand(s): Flash Technology
Effective Date: August 21, 2023
Part Affected: F1350200, F1350202, F1350203, F1350204
Issued By: Ivor Lewis, Product Manager Obstruction Lighting

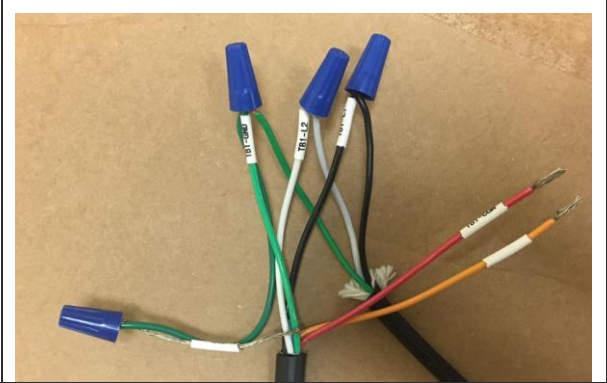
Best Practice In Wiring FTS 350i-2:

Turbine operators sometimes begin using obstruction lights before installing ADLS radar systems. Until ADLS is installed, some conductors in the cable are unused. Unused conductors in FTS 350i-2 cable can at times induce capacitively coupled voltage if not properly grounded. Following the best practices detailed below ensures these are greatly reduced.

<ol style="list-style-type: none"> 1. 10 Conductor Cable used with ADLS radar and Alarms <ol style="list-style-type: none"> a. All unused wires (Yellow, Grey, Purple) and shield to be connected to Earth Ground b. Blue and Brown conductors routed to Radar controller outputs c. Red and Orange conductors routed to monitoring inputs d. Black, White and Green conductors routed to Line, Neutral/Line2 and Earth Ground 	
<ol style="list-style-type: none"> 2. 10 Conductor Cable used without ADLS radar but with Alarms <ol style="list-style-type: none"> a. All unused wires (Yellow, Grey, Purple, Blue, Brown) and shield to be connected to Earth Ground b. Red and Orange conductors routed to monitoring inputs c. Black, White and Green conductors routed to Line, Neutral/Line2 and Earth Ground 	

3. 5 Conductor Cable

- a. Shield to be connected to Earth Ground
- b. Red and Orange conductors routed to monitoring inputs
- c. Black, White and Green conductors routed to Line, Neutral/Line2 and Earth Ground



Please contact our Technical Support team if you have any issues.

They are available Monday – Friday, 8 am – 6 pm, US Central Time.

Call 800-821-5825, 3, 1 (Support/Obstruction)