

## Opticom™ Infrared System Opticom™ Model 138 Detector Cable

An Opticom™ Infrared System Matched Component Product

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### Description

Opticom™ Model 138 Detector Cable is designed and manufactured explicitly for use with Opticom™ Detectors. Opticom model 138 has three color-coded conductors, a conductive shield and drain, and a black PVC jacket.

This durable, high-quality cable carries the appropriate power to the detector from the Opticom™ Phase Selector and delivers the necessary quality signal to the phase selector discriminator circuitry up to 1,000 feet (305 m).

### Features and Benefits

- Optimized to interface Opticom detectors to Opticom phase selectors or Opticom™ Discriminators
- Ensures effective range of 2,500 feet (760 m) with Opticom™ Infrared System components
- Durable construction
  - Suitable for direct burial
  - Suitable for conduit and mast arm pull
  - Suitable for exposed overhead installation\*

### Operating Parameters

- 600 volt rating
- 75° C (167° F) temperature range
- Three-conductor AWG #20 (7x28) stranded, individually tinned copper: yellow, blue and orange
- Aluminized polyester shield with 20% overlap
- Drain AWG #20 (7x28) stranded, individually tinned copper
- Controlled electrical characteristics

\*Separate messenger wire required



Opticom™ Model 138 Detector Cable is 0.3 in. (7.62 mm) in diameter and is suitable for direct burial as well as in conduit and exposed overhead installation.\*

### Physical Dimensions

- Outside diameter: 0.3 in. (7.62 mm)
- Weight: 0.04 lbs./ft. (65.5 g/m)
- Available in: 500 ft., 1,000 ft., 2,500 ft. and 5,000 ft. (152 m, 305 m, 760 m and 1,520 m) spools

| SHOP DRAWING REVIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                        |
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| ENGINEER'S REVIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RESPONSE REQUIRED BY CONTRACTOR                                        |
| <input checked="" type="checkbox"/> Approved<br><input type="checkbox"/> Approved As Noted<br><input type="checkbox"/> Not Approved                                                                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> Complete<br><input type="checkbox"/> Resubmit |
| The Engineer's review of this drawing is based on the information furnished by the contractor and is not a warranty or endorsement of the contractor's design or construction. The contractor is responsible for the accuracy and completeness of the information furnished and for the design and construction of the project. The Engineer's review is limited to the information furnished and does not constitute an approval of the contractor's design or construction. |                                                                        |
| Date: 7-7-10                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |