



Global Traffic  
Technologies

# Opticom™ Infrared System

## Opticom™ Model 138 Detector Cable

An Opticom™ Infrared System Matched Component Product

October 2007

### 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 15,200 m) spools

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GTT warrants future system operability coverage as described herein. The warranties set forth in this document shall not apply to (A) incandescent lamps (confirmation lights) or (B) any Opticom infrared system components which have been (1) repaired or modified by persons not authorized by GTT; (2) subjected to incorrect installation, misuse, neglect or accident; (3) damaged by extreme atmospheric or weather-related conditions; or (4) subjected to events or use outside the normal or anticipated course.

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