



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