



## Specification Sheet

## IC-3 and IC-4 Insensitive Fiber Optic Cable

### Description

Relatively impervious to the effects of vibration, motion, and pressure, the insensitive fiber optic cable provides a way to extend the distance between the deployed sensor cable and the FD-208 or FD-340 series Alarm Processing Unit (APU) up to 20 kilometers (12.4 miles).

Insensitive cable is available in two versions, depending upon the application: IC-3, a 3 millimeter diameter cable for above-ground applications, and IC-4, for buried applications. The IC-3 insensitive cable requires insertion into protective conduit prior to deployment for above-ground applications. The IC-4 insensitive cable can be buried directly without the use of conduit, however.

The insensitive cable consists of a standard 9µm/125µm single-mode optical fiber protected by a UV-resistant rugged jacket which enables it to survive in harsh, outdoor conditions. The IC-4 insensitive cable has an additional layer of UV jacket material for direct burial.

Both the FD-208/FD-208R and FD-340 series



*IC-3 insensitive cable (left) and IC-4 insensitive cable (right) shown on 2 km continuous reels*

intrusion detection systems require the use of insensitive lead-in cable

Insensitive lead-in cable is not compatible with the FD-220/FD-220P or FD-330 series Alarm Processing Units.

### Product Specifications

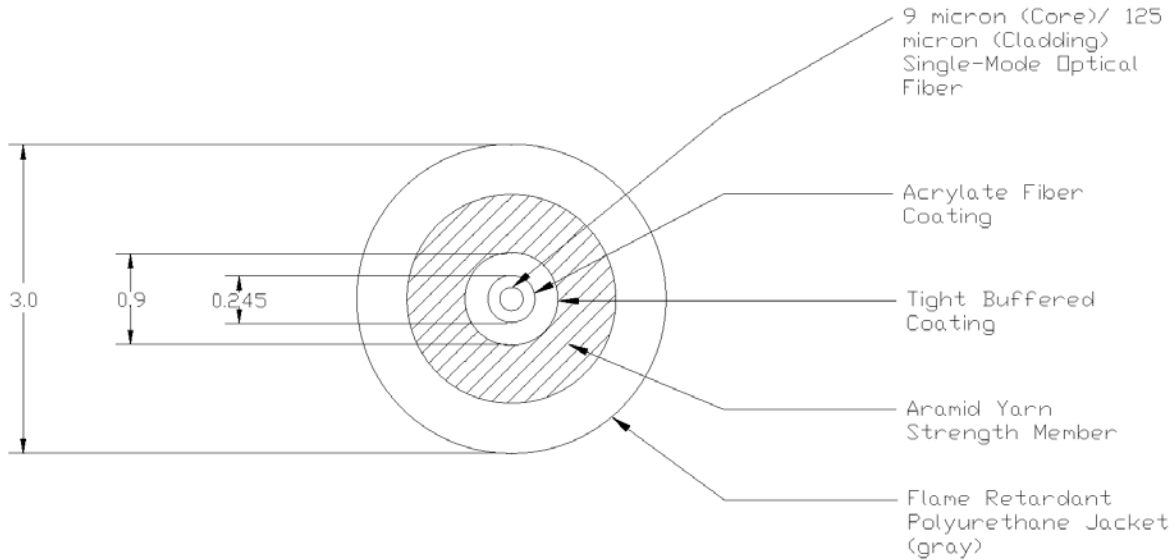
### IC-3 and IC-4 Insensitive Cable

Optical Fiber Type Numerical Aperture	9µm/125µm single-mode optical fiber 0.13
Cable Weight Cable Diameter Cable Jacket Color	10.0 kg/km 3mm (IC-3) or 4mm (IC-4) Gray (IC-3) or blue (IC-4)
Operational Data Impact Resistance Crush Resistance Operating Temperature	1000 impacts 750 N/cm -40°C to +85°C
Installation Data Maximum Pull Tensile Load Minimum Bend Radius	300 N (60 lb) 5 cm (2 inches)
Performance Data Maximum Insensitive Lead-In Cable Length	20 km (12.4 miles) to and from protected zone

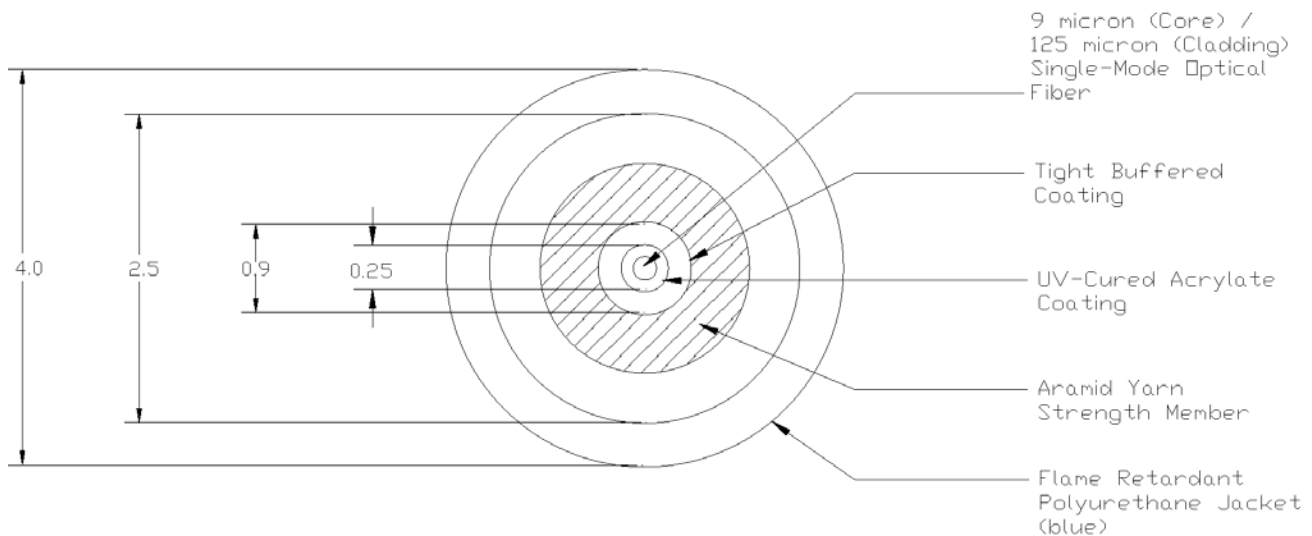
## Insensitive Cable End Profile

## IC-3 and IC-4

IC-3



IC-4



### Notes:

1. All dimensions in mm unless otherwise noted
2. Drawing not to scale