



Specification Sheet

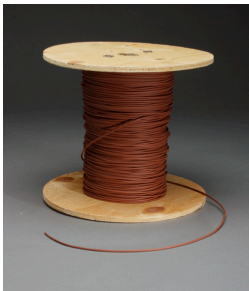
SC-3 and SC-4 Fiber Optic Sensor Cable

Description

Immune to the effects of EMI, magnetic fields, radio frequency transmissions and lightning, the fiber optic sensor cable is a proprietary multi-mode cable designed to optimize the effects that vibration and pressure have on the conductance of light. Rugged, durable construction ensures the cable survives exposure to the harsh elements and weather conditions associated with outdoor deployment. Used together with an Alarm Processing Unit, the sensor cable forms a complete intrusion detection system.

Two versions of sensor cable are available: SC-3, a 3 millimeter diameter cable for fence line and indoor applications, and SC-4, for buried applications. The SC-3 sensor cable requires insertion in flexible conduit prior to deployment for fence line applications. The SC-4 sensor cable can be buried directly without the use of conduit.

The sensor cable has uniform sensitivity, meaning the sensitivity is uniform throughout the entire length.



SC-3 sensor cable (left) and SC-4 sensor cable (right) shown on 2 km continuous reels

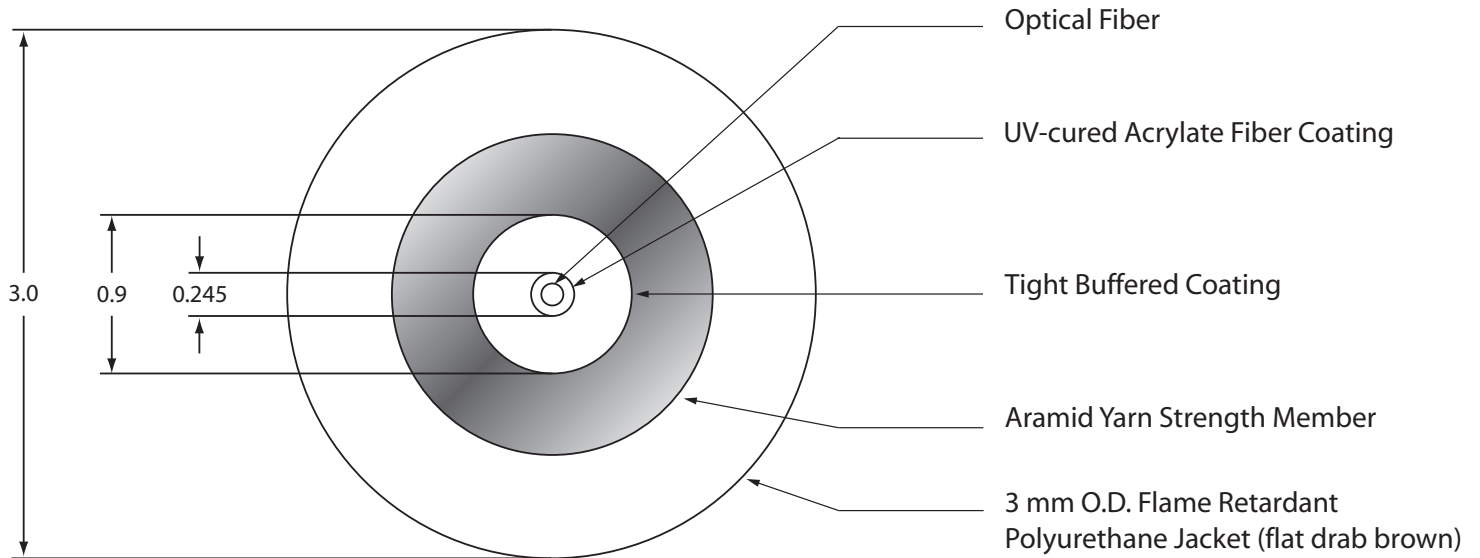
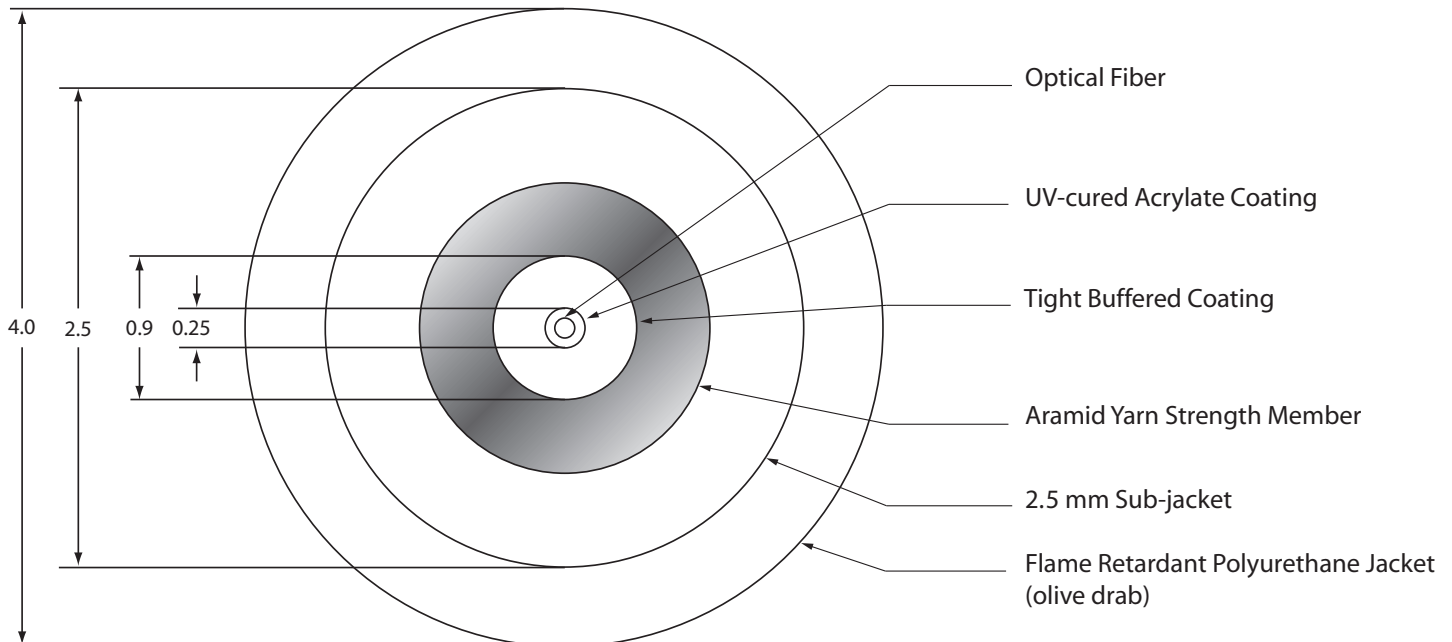
Sections of a fence, buried zone or other barrier can be made more sensitive by adding extra lengths of sensor cable (usually by deploying the cable in a “loop” in the affected section). Used with an Alarm Processing Unit, the maximum zone length for each version of sensor cable is 5 kilometers (16,400 feet/3.1 miles).

Both SC-3 and SC-4 can be used with the FD-208, FD-331/FD-332 and the FD-341/FD-342 Alarm Processing Units. SC-3 may also be used with the FD-220P APU.

Product Specifications

SC-3 and SC-4 Sensor Cable

Optical Fiber Type	Proprietary-construction multi-mode
Cable Weight	10.0 kg/km
Cable Diameter	3mm (SC-3) or 4mm (SC-4)
Cable Jacket Color	Brown (SC-3) or oliver drab green (SC-4)
Operational Data	
Impact Resistance	1000 impacts
Crush Resistance	750 N/cm
Operating Temperature	-40°C to +85°C
Installation Data	
Maximum Pull Tensile Load	300 N (60 lb)
Minimum Bend Radius	5 cm (2 inches)
Performance Data	
Cable Sensitivity	Uniform over the entire length
Maximum Sensor Cable Length/zone	5 km (3.1 miles/16,400 feet)

SC-3**SC-4****Notes:**

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

2925 NW Alcielek Drive, Suite 130 · Hillsboro, OR 97124 USA · Tel: +1-503-692-4430 · Fax: +1-503-692-4410
www.fibersenssys.com

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