



**Diamond Controls**

Leak Detection & Trace Heating Systems

**DATASHEET**



**Detects the presence of water at any point along its length**



**Mechanically strong & resistant to abrasion & corrosion**



**Smooth design that dries and is reusable very quickly**



**For use only with the EcoLeak series of panels**



**WATER LEAK DETECTION**

# EL-SC

## Water Sensing Cable

The EcoLeak™ sensor cable detects water leaks at any point along the cable length. When used in conjunction with Eco-1 or Eco-6 zone alarm panels the cable senses the presence of a water leak, triggers an alarm and indicates the zone location of the leak. The cable is available in a variety of lengths up to 30 metres.

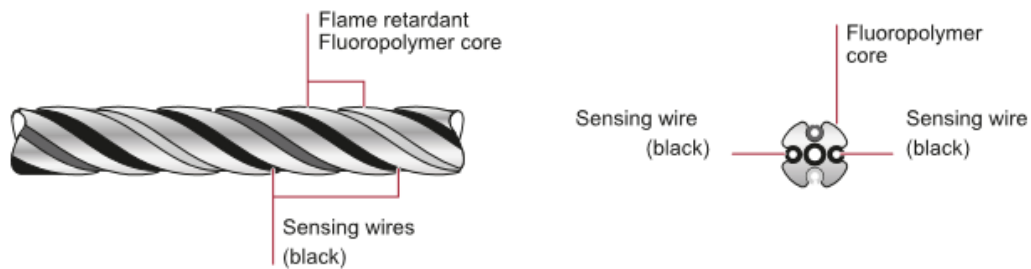




### SIMPLE OPERATION

The conductive-polymer technology and fluoropolymer construction make EcoLeak sensing cable mechanically strong and resistant to corrosion and abrasion. The cable is constructed of two sensing wires embedded in a fluoropolymer carrier rod. The alarm module constantly monitors the sensing cable for continuity. The rugged cable construction exposes no metal, and enables the cable to be dried within seconds and re-used.

### CABLE CONSTRUCTION



Drawing not to scale

### TECHNICAL INFORMATION

<b>Breaking strength</b>	Cable only: 72 kg Including connectors: 32 kg
<b>Cut-through force</b>	>22 kg with 0.13 mm in blade; crosshead speed 0.2 in/min
<b>Abrasion resistance</b>	>65 cycles per UL 719
<b>Maximum continuous operating temperature</b>	75°C
<b>Connection</b>	2 Pin, Male, Modular connector (not compatible with TraceTek 4 pin connectors)

### PERFORMANCE DATA

<b>Leak size to alarm</b>	50 mm (2") maximum at any point along sensing cable (tap water)
<b>Drying time</b>	Cable dries and resets within 15 seconds of removal from standing water
<b>Standard cleaning method</b>	Wipe with clean damp cloth

#### Diamond Controls Ltd.

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Norwich, Norfolk,  
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Registered company: 4113848

#### Contact

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#### ORDERING INFORMATION

Catalogue Number	Product Description
6600	EL-SC-1 EcoLeak Sensing Cable - 1m
6605	EL-SC-3 EcoLeak Sensing Cable - 3m
6610	EL-SC-5 EcoLeak Sensing Cable - 5m
6615	EL-SC-10 EcoLeak Sensing Cable - 10m
6620	EL-SC-15 EcoLeak Sensing Cable - 15m
6625	EL-SC-20 EcoLeak Sensing Cable - 20m
6630	EL-SC-25 EcoLeak Sensing Cable - 25m
6635	EL-SC-30 EcoLeak Sensing Cable - 30m

**Note:** Bespoke lengths available to special order

#### ANCILLARY PRODUCTS

Catalogue Number	Product Description
6124	Eco-1 EcoLeak Eco-1 Single zone alarm - 230Vac
6125	Eco-6 EcoLeak Eco-6 Six zone alarm Panel - 230Vac
6050	EL-LC-3 EcoLeak Leader Cable - 3m
6055	EL-LC-5 EcoLeak Leader Cable - 5m
6060	EL-LC-10 EcoLeak Leader Cable - 10m
6065	EL-LC-20 EcoLeak Leader Cable - 20m
6075	EL-LC-30 EcoLeak Leader Cable - 30m
6080	EL-LC-50 EcoLeak Leader Cable - 50m

**Important:** All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application.

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