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## WATER LEAK DETECTION CABLE

Designed specifically to detect water anywhere along its entire length, our cable is constructed with individual signal cables (for use if required) and two stainless steel sensor wires all welded together to form a single cable. Whilst being a single mass, our cable is flexible and can be wiped clean to remove contaminants or water.



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### WDC2 CABLE



The WDC2 cable consists of two separate stainless steel sensor wires and two separate signal cables bonded together to form one cable, with an overall diameter of 3mm. The signal cables are included to separate the sensor wires, but can be used as part of a line fault circuit.

WDC2 cable can be supplied in any length up to 450 metres.



The WDC4 cable consists of two separate stainless steel sensor wires and four separate signal cables bonded together to form one cable, with an overall diameter of 5mm. The signal cables are included to add bulk allowing the cable to lay flat to the ground, but can be used to forward water detection signals to additional zones or as a line fault circuit. WDC4 cable can be supplied in any length up to 450 metres.

### WDC4 CABLE



### Specification

#### Overall diameter

WDC2 3mm, WDC4 5mm, WDC6 8mm

#### Each Signal cable

16/0.2mm (0.5mm) 3amp 110vac to IEC 189-3

#### Sensor wires

Annelid 0.4mm diameter Stainless Steel

#### Sensor resistance

7 $\Omega$  per metre per sensor wire (14 $\Omega$  per cable metre)

#### Sensor spacing

WDC2 9mm, WDC4 9mm, WDC6 6mm

#### Maximum continuous Length

450 metres

#### Recommended water leak detection signal in the sensor wires

Using alternating current (AC) or bi-directional DC with same mark space ration will stop electrolyses of the sensor wires which can cause the sensors to wear away leaving a system unable to detect water. If required we can supply our Water Detection Module giving an open collector output to BMS or alarm systems, see [www.cmrelectrical.com](http://www.cmrelectrical.com) for further information.