

WATER LEAK DETECTION CABLE

Designed specifically to detect water anywhere along its entire length, the 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.



The WDC4 CABLE

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 meters.



Specification

Overall diameter: 5mm

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 Ω per metre per sensor wire (14 Ω per cable metre)

Sensor spacing: 9mm

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 electrolysis 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, please ask for more formation.