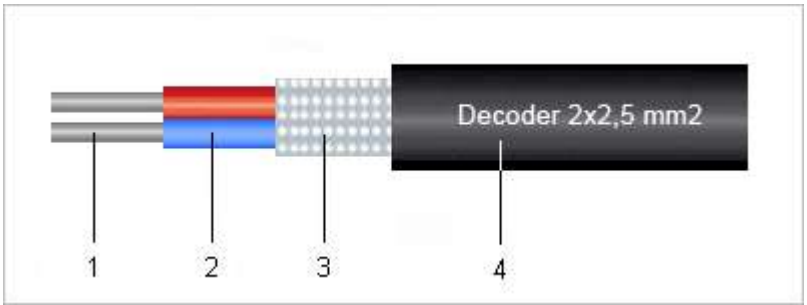
DATASHEET

Decoder Irrigation cable



Structure

>	1	Solid tinned copper conductor
>	2	Halogen-free polyolefin *(PE)* core insulation Cores twisted to a pair *(Twisting direction Z axis)*
>	3	Water blocking tape wrapping over the cores
>	4	Halogen-free polyolefin *(PE)* outer sheath, UV resistant, black colour RAL 9004 with imprint: *"Decoder 2x2,5 mm² Irrigation Cable, Lot number, Meter number"*

Dimensions

Conductor structure nominal	Outer Ø nominal *[mm]*	Conductor resistance at 20 °C *[Ω/100m]*	CU weight nominal *[kg/km]*	Weight approx. *[kg/km]*
2x1,0 mm²	7	<16	20	60
2x2,5 mm²	9,2	<7,5	50	120

Application

Irrigation cable is used as power and control cable in electrically controlled irrigation systems.

Suitable for use in direct underground applications.

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Properties

> Solid tinned copper conductors, polyethylene *(PE)* core insulation, water blocking tape, UV resistant polyethylene *(PE)* outer sheathed cable.

> Cable is in accordance with standards:
EN 50575:2014 reaction to fire;
EN 13501-6 fire classification;
Made according to specification of irrigation system producers.

> Core insulation colours are red and blue or could be black and white as well as red and black.

> The special characteristic of this irrigation cable is the UV resistant polyethylene *(PE)* outer sheath allows installation this cable into the earth.

> The irrigation cable is REACH compliant as well as meeting the requirements of other legislation such as the RoHS Directive. The materials used in this cable are cadmium-free and contain no silicone and do not represent health hazards and minimize the environmental impact.

> CE Product meets all the legal requirements for CE marking and can be sold throughout the European Economic Area *(EEA).*

Technical data

Peak working voltage:	48 V
Working voltage:	24 V AC
Test voltage:	800 V eff. *(Core/core, AC 50 Hz)*
Temperature range:	Fixed installation -30 °C to +70 °C
Insulation resistance:	Min. 100 MΩ x km
Mutual capacitance:	At 800 Hz max. 100 nF / km
Minimum bending radius:	Fixed installation 10 x cable Ø

Packaging

In coil or drum.

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