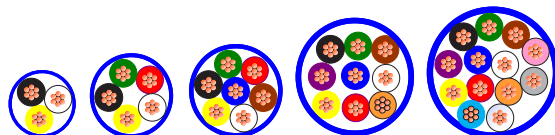


# HYDRO CONNECT

## EZ IRRIGATION CABLE

### Extra Low Voltage Irrigation Valve Cable



#### HC-ICxxxxxx Direct Burial

INSULATION: **PP UV Stabilised – Multi Coloured Cores**

SHEATH: **PVC 5V90 to AS/NZS 3808:2000 UV Stabilised with Polyester Rip Cord**

SHEATH COLOUR: **Blue (PMS280C)**

SIZE: **0.5 – 4.0 mm<sup>2</sup> 1-13 Cores**

#### SCOPE:

For connecting nominal 24 volt irrigation controller outputs to solenoid valves.

#### PHYSICAL SPECIFICATIONS:

Class 2 plain copper conductor to AS1125, single and multi cores, insulated with PP colour coded and sheathed (not single core) with PVC 5V90 sheath with a polyester rip cord. This cable is suitable for direct burial, rated 30 volts. Insulation and sheath are UV stabilised.

#### MANUFACTURER'S IDENTIFICATION:

Surface marked with HYDRO CONNECT EZ DIRECT BURIAL IRRIGATION CABLE , HC-ICxxxx (number of cores and core size), 30V, batch number, sequential meterage every 1 meter 001M >I<, RoHS. Printed on sheath, low number on bottom of spool, high number on top.

#### SPLICING RECOMMENDATIONS

Wire splices are the weak link of any electrical circuit. It is especially important to make proper joints in irrigation systems because the joints are exposed to wet and damp environments that can cause corrosion of the copper conductor and premature failure. General splicing recommendations:

- For direct burial, above ground, or in valve box installations: Model HC-WCDBRY6 as manufactured by the 3M Company
- For installation above ground or in valve boxes: Silicone-filled wire nuts as manufactured by IDEAL® Model HC-WC61, HC-WC62 or HC-WC63, or models HC-WC316IR or HC-WC314 as manufactured by the 3M Company.

#### CONSTRUCTION:

##### Pack Size:

0.5mm<sup>2</sup> 50, 100 and 500 metres.

1.0-1.5mm<sup>2</sup> 100 and 500 metres.

2.5-4.0mm<sup>2</sup> 500 metres.

Other custom pack sizes and sheath colours available upon request.

CORE	NO. OF CORES	COLOUR
1	1 Core	Black
2	2 Core	White
3	3 Core	Yellow
4		Red
5	5 Core	Dk. Green
6		Dk. Blue
7	7 Core	Brown
8		Orange
9	9 Core	Violet
10		Lt. Blue
11		Pink
12		Grey
13	13 Core	Clear

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### Extra Low Voltage Irrigation Valve Cable

Code	Number of Cores	Number of Strands x Wire (mm)	Nominal Area (mm <sup>2</sup> )	Max D.C. Resistance at 20°C (mΩ/m)	Nominal Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Nominal O.D. (mm)	Mass (kg/100m)
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#### Circular 1 Core (PP insulated single core, not sheathed)

HC-IC0115500	1	7/0.50	1.5	13.6	0.50	NA	2.5	1.1
HC-IC0125500	1	7/0.67	2.5	7.4	0.50	NA	3.0	1.5
HC-IC0140500	1	7/0.85	4.0	4.6	0.60	NA	3.7	4.2

#### Flat 2 Core

HC-IC0205xxx	2	7/0.30	0.5	38.4	0.35	0.6	4.5 x 2.8	1.8
HC-IC0210xxx	2	7/0.43	1.0	21.2	0.45	0.6	6.4 x 3.4	3.6
HC-IC0215xxx	2	7/0.50	1.5	13.6	0.50	0.6	6.8 x 3.7	4.6
HC-IC0225500	2	7/0.67	2.5	7.4	0.50	0.7	8.0 x 4.5	7.0
HC-IC0240500	2	7/0.85	4.0	4.6	0.60	0.7	9.0 x 5.4	8.8

#### Circular 3 Core

HC-IC0305xxx	3	7/0.30	0.5	38.4	0.35	0.6	4.5	3.0
HC-IC0310xxx	3	7/0.43	1.0	21.2	0.45	0.6	6.1	5.2
HC-IC0315xxx	3	7/0.50	1.5	13.6	0.50	0.6	6.2	6.7
HC-IC0325500	3	7/0.67	2.5	7.4	0.50	0.7	7.4	10.6

#### Circular 5 Core

HC-IC0505xxx	5	7/0.30	0.5	38.4	0.35	0.6	5.3	4.8
HC-IC0510xxx	5	7/0.43	1.0	21.2	0.45	0.6	6.9	8.2
HC-IC0515xxx	5	7/0.50	1.5	13.6	0.50	0.7	8.0	10.9
HC-IC0525500	5	7/0.67	2.5	7.4	0.50	0.8	9.6	17.5

#### Circular 7 Core

HC-IC0705xxx	7	7/0.30	0.5	38.4	0.35	0.6	6.0	6.4
HC-IC0710xxx	7	7/0.43	1.0	21.2	0.45	0.7	7.9	11.3
HC-IC0715xxx	7	7/0.50	1.5	13.6	0.50	0.7	8.9	14.5
HC-IC0725500	7	7/0.67	2.5	7.4	0.50	0.8	10.8	23.4

#### Circular 9 Core

HC-IC0905xxx	9	7/0.30	0.5	38.4	0.35	0.6	6.8	8.1
HC-IC0910xxx	9	7/0.43	1.0	21.2	0.45	0.7	9.0	14.4
HC-IC0915xxx	9	7/0.50	1.5	13.6	0.50	0.7	10.1	18.5
HC-IC0925500	9	7/0.67	2.5	7.4	0.50	0.8	12.3	30.0

#### Circular 13 Core

HC-IC1305xxx	13	7/0.30	0.5	38.4	0.35	0.6	7.9	11.0
HC-IC1310xxx	13	7/0.43	1.0	21.2	0.45	0.7	10.7	20.3
HC-IC1315xxx	13	7/0.50	1.5	13.6	0.50	0.8	12.1	26.2

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