ID DECODER IRRIGATION CABLE
Extra Low Voltage Irrigation Valve Cable

HC-IDxBLU Direct Burial

INSULATION: **LDPE – Blue and Red Cores**
SHEATH: **PVC 5V90 to AS/NZS 3808:2000 UV Stabilised**
SHEATH COLOUR: **PMS2945**
SIZE: **16, 14 & 12 AWG (1.35, 2.10 & 3.30mm^2) – Twisted 2 Core**

SCOPE:
This specification covers requirements for a jacketed decoder cable designed to provide solenoid activation and decoder communication between a Hunter Industries DUAL, ACC, ACC2 or PILOT Irrigation Controller and Hunter Industries DUAL or ICD Decoders.

PHYSICAL SPECIFICATIONS:
2 cores of single strand plain annealed Copper to AS/NZS 1125 drawn from class C10200 102 copper to AS/NZS 1574, insulated with colour coded LDPE, sheathed with PVC 5V90 sheath. This cable is suitable for direct burial, rated 600 volts and temperatures up to 60°C. Insulation and sheath are UV stabilised.

MANUFACTURER'S IDENTIFICATION:
Surface marked with HYDRO CONNECT DIRECT BURIAL DECODER CABLE 2x xxAWG (x.x MMSQ), HC-IDxBLU 600V, (Time) HH:MM (Date) DD/MM/YY, 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 decoder to solenoid connections above ground, or in valve box installations: Silicone-filled wire nuts as manufactured by IDEAL® Model HC-WC61, HC-WC62 or Models HC-WC316IR, HC-WC314 or HC-WCDBRY6 as manufactured by the 3M Company.
- For decoder cable to decoder connections direct burial, above ground, or in valve box installations: Model HC-WCDBRY6 as manufactured by the 3M Company.

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Code	Number of Cores	Number of Strands x Wire Dia (mm)	Nominal Area (mm^2)	Max D.C. Resistance at 20°C (mΩ/m)	Nominal Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Nominal O.D. (mm)
2 Core							
HC-ID07BLU	2	1/1.31 (16AWG)	1.35	13.44	1.15	0.9	9.1
HC-ID1BLU	2	1/1.63 (14AWG)	2.1	8.60	1.15	0.9	9.8
HC-ID2BLU	2	1/2.05 (12AWG)	3.3	5.45	1.15	0.9	10.6

CONSTRUCTION:

Pack Size:

16 AWG (1.35mm^2) 100 and 500 metres.
14 AWG (2.1mm^2) 100 and 500 metres.
12 AWG (3.3mm^2) 500 metres.
Other custom pack sizes and sheath colours available upon request.

Conductors:

1 strand plain annealed Oxygen Free Copper to AS/NZS 1125 drawn from class C10200 102 copper to AS/NZS 1574.

Insulation:

Coloured LDPE, blue and red.

Cable Assembly:

The insulated conductors are twisted together with a 100mm minimum LH lay.

Sheath:

Blue PVC 5V90 to AS/NZS 3808:2000, UV stabilised.

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INNOVATION IN IRRIGATION