

# Point Colour IO Cables

DI0 – AI0 – AI1 – ALL IO  
Unterminated cables

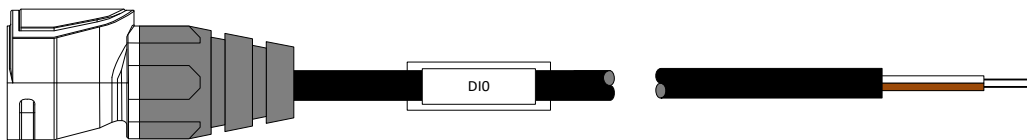


ACCESSORIES

This info sheet provides useful information about the IO cables that can be used with the battery powered Point Colour RTU's.

All of these cables are provided with bare ends for connection to a sensor as required. Users should ensure these connections are made using the most appropriate method to ensure the IP integrity of the cable has not been compromised. For more information about these options please contact Metasphere.

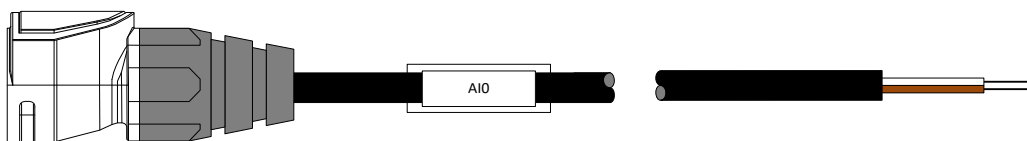
## DI0 UNTERMINATED (PN4-102)



CORE	Pin No.	SIGNAL
White	3	Ground
Brown	11	DI0

- Unterminated for direct connection to sensor
- Can be used for digital and counter inputs
- Suitable for use with Point Green, Orange and Blue
- IO Signals are assigned by Poco+ configuration dependent

## AI0 (ACTIVE LOOP) UNTERMINATED (PN4-110)

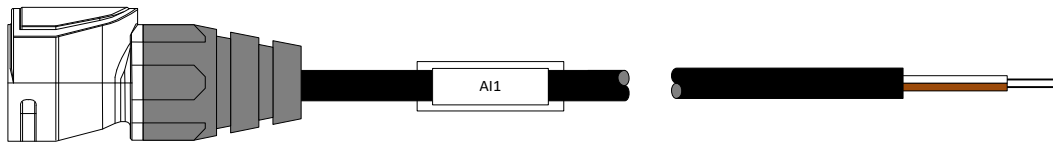


CORE	Pin No.	SIGNAL
White	1	AI0 +ve
Brown	5	AI0 -ve

- Unterminated for direct connection to sensor
- Suitable for use with Point Orange and Blue
- IO Signals are assigned by Poco+ configuration dependent
- Cable length: 2m

sensor collection storage processing interaction

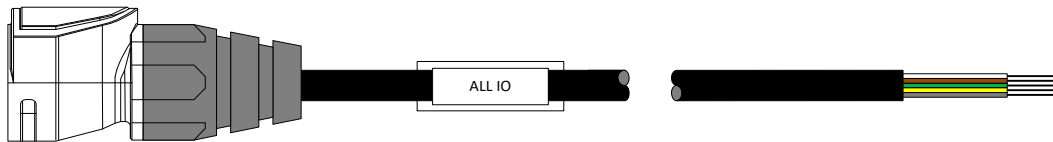
## AI1 (ACTIVE LOOP) UNTERMINATED (PN4-111)



CORE	Pin No.	SIGNAL
White	2	AI1 +ve
Brown	4	AI1 -ve

- Unterminated for direct connection to sensor
- Suitable for use with Point Orange and Blue
- IO Signals are assigned by Poco+ configuration dependent
- Cable length: 2m

## ALL IO UNTERMINATED (PN 4-101)



CORE	Pin No.	SIGNAL
White	1	IO
Brown	2	IO
Green	3	Ground
Yellow	4	IO
Grey	5	IO
Pink	6	IO
Blue	7	IO
Red	11	IO

- Unterminated for direct connection to sensor
- Suitable for use with Point Orange and Blue
- IO Signals are assigned by Poco+ configuration dependent
- Cable length: 2m

## COMMON SPECIFICATIONS

CABLE DESIGN	
Construction	Point Colour 12-pin IP68 Deutsch connector 2m length (including stripped and tinned ends)
Conductor	0.25mm per core Bare copper class5 IEC60228
Core	Colour Identification according to DIN 47100 Material: PVC TI2
Overall screen	Tinned Copper Braid
Outer sheath	Polyurethane + Chemical, termite and rodent protection Black RAL9011 (UV resistant)
IP Rating	IP68. Note, users must ensure unterminated ends are properly connected to retain this IP rating
ELECTRICAL	
Nominal voltage	300V
Test voltage	1500V
Temperature	-40°C + 90°C
Electrical propeties	80.5 $\Omega$ /km 120nF/km (core/core) 160nF/km(core/screen) 0.7mH/km
APPROVALS	
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3
Halogen Free	IEC 60754-1



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