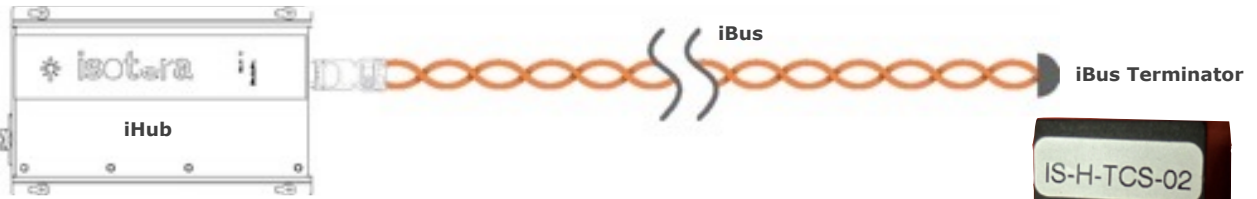


## Product Description

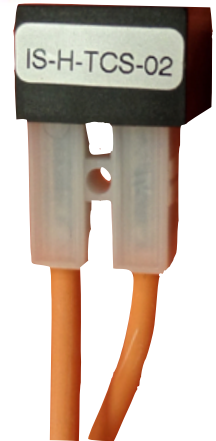


The iBus cable is a double-insulated twisted pair cable carrying power from the Power Hub to a multitude of LED fixtures.

It comes with a pre-assembled plug that fits into the output socket on the Power Hub. A Termination connector (iTerm) joins the iBus together once it is cut to the required length.

### Benefits:

- Single uninterrupted output cable for the entire circuit. Simply cut to length on site.
- No need to worry about cable size irrespective of cable length & number of loads
- Maximum cable length 75M for PH200 applications
- Maximum cable length 150M for PH500 applications
- Identical current at all points on the wire, no brightness drop off
- No polarity, so no mistakes possible
- No continuity testing required



### Cable construction

- Twisted pair without outer sheath, each of the 2 cores with double insulation.
- Maximum outer diameter of each core (conductor + inner & outer sheath): 3.8mm

### Cable conductor

- 1.50mm<sup>2</sup> Plain annealed stranded copper, to IEC60228
- Number of strands: 7

### Inner sheath

- 0.5mm LSOH PE
- Main purpose: electrical insulation

### Outer sheath

- 0.6mm LSOH Megolon S500 for mechanical protection against abrasion and sharp objects.

### Physical properties

- Pitch of the twisted cable approx. 100mm



## Part Numbers

Isotera part number	Description
HEM-005-3019	GST 18 Female Input Connector
HEM-005-3020	GST 15 Male Output Connector
IS-H-TCS-02	iTerm Termination for iBus cable
IS-C-IBUS-10	10M IBUS Cable
IS-C-IBUS-20	20M IBUS Cable
IS-C-IBUS-50	50M IBUS Cable
IS-C-IBUS-200	200M IBUS Cable
IS-C-IBUS-500	500M IBUS Cable
IS-C-IBUS-1000	1KM IBUS Cable

## Environmental

Parameter	Description	Min	Nom	Max
Operating Temp	Thermal Environment	-20C		80C
Non Operating Temp	Thermal Environment	-20C		80C
Storage temperature		-40C		100C