



Connect

A compact, smart and easy-to-use wiring solution for Applelec light products

Product Brochure

Build adaptable, plug-and-play wiring systems



Connect is a small, power-to-luminaire system designed to meet the lighting industry's need for a compact, easy-to-install interconnecting solution.

The system can be used for simple or complex wiring solutions and features a range of white wires and component parts that connect and disconnect with ease. Robust yet incredibly slim, the standard 7.5mm male connector can easily fit through an 8mm opening compared to other connectors which require much larger spaces.

Each Applelec product, including LED Light Sheet, wired with the Connect system features a 300mm wire fitted with a male connector. This 300mm wire connects to a 1200mm wire with a female connector which is fitted to a power supply or supplied with a bare-end to create a standard length of 1500mm. Extension wires in a choice of 500mm, 1000mm, 1500mm, 2000mm & 3000mm lengths can be added between the product and its power supply to a maximum length of 5000mm (up to 5A). All cables are BASEC and UKAS approved.

An inventive selection of splitters ensures the Connect wiring system is highly flexible and these include a T-splitter, 2-way splitter and 6-way splitter. Using a crimping tool, the versatile T-splitter can be attached to any wire, anywhere in the system (subject to calculated power travelling to existing wired lighting units) to create a 'branch' which feeds a newly added luminaire.

Using a simple plug and play principle, Connect from Applelec is easy to use, install and adjust.

Key Features

- BASEC and UKAS approved
- Compact 7.5mm connectors; fits through 8mm opening
- Plug-and-play principle; easy and quick to install
- Flexible, interconnecting solution
- White cables and connectors
- Four extension lengths: 500mm, 1000mm, 1500mm, 2000mm & 3000mm
- 5000mm lengths possible in one wiring run
- T-splitter, 2-way splitter and 6-way splitter
- 3 year warranty

Achieve maximum flexibility with the Connect system



Male connector with 300mm wire to product



500mm, 1000mm, 1500mm, 2000mm or 3000mm extension wire



2-way splitter



6-way splitter

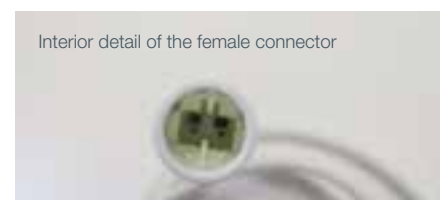
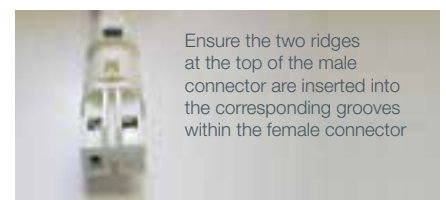
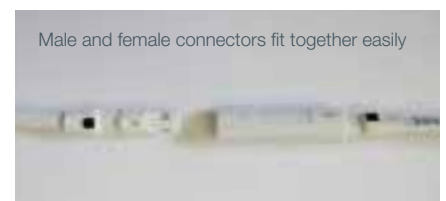
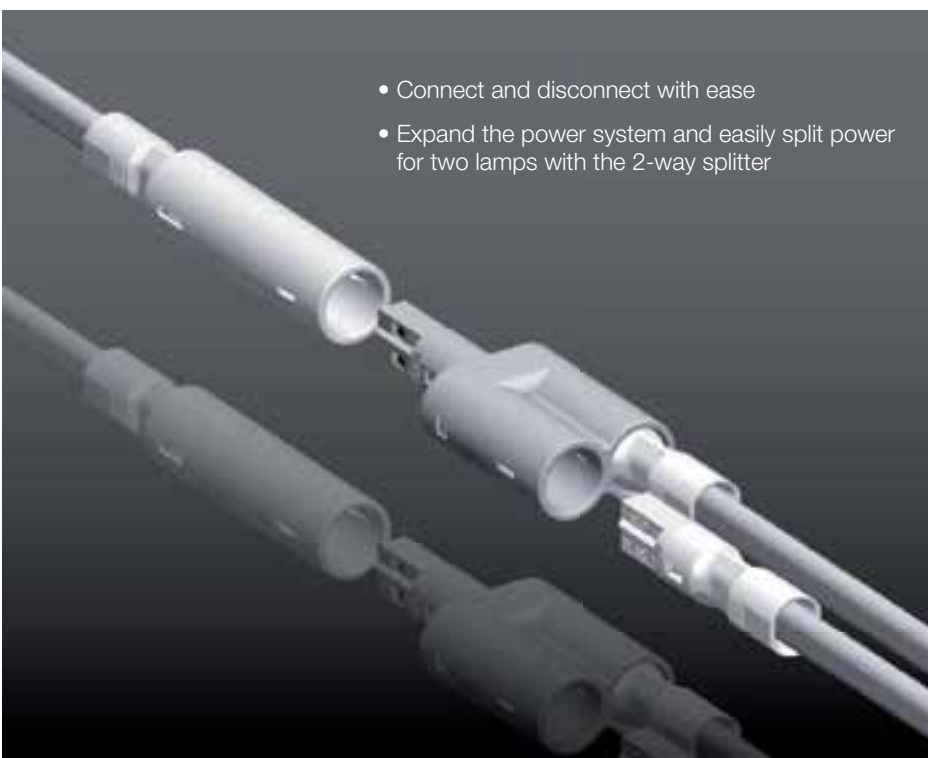


T-splitter

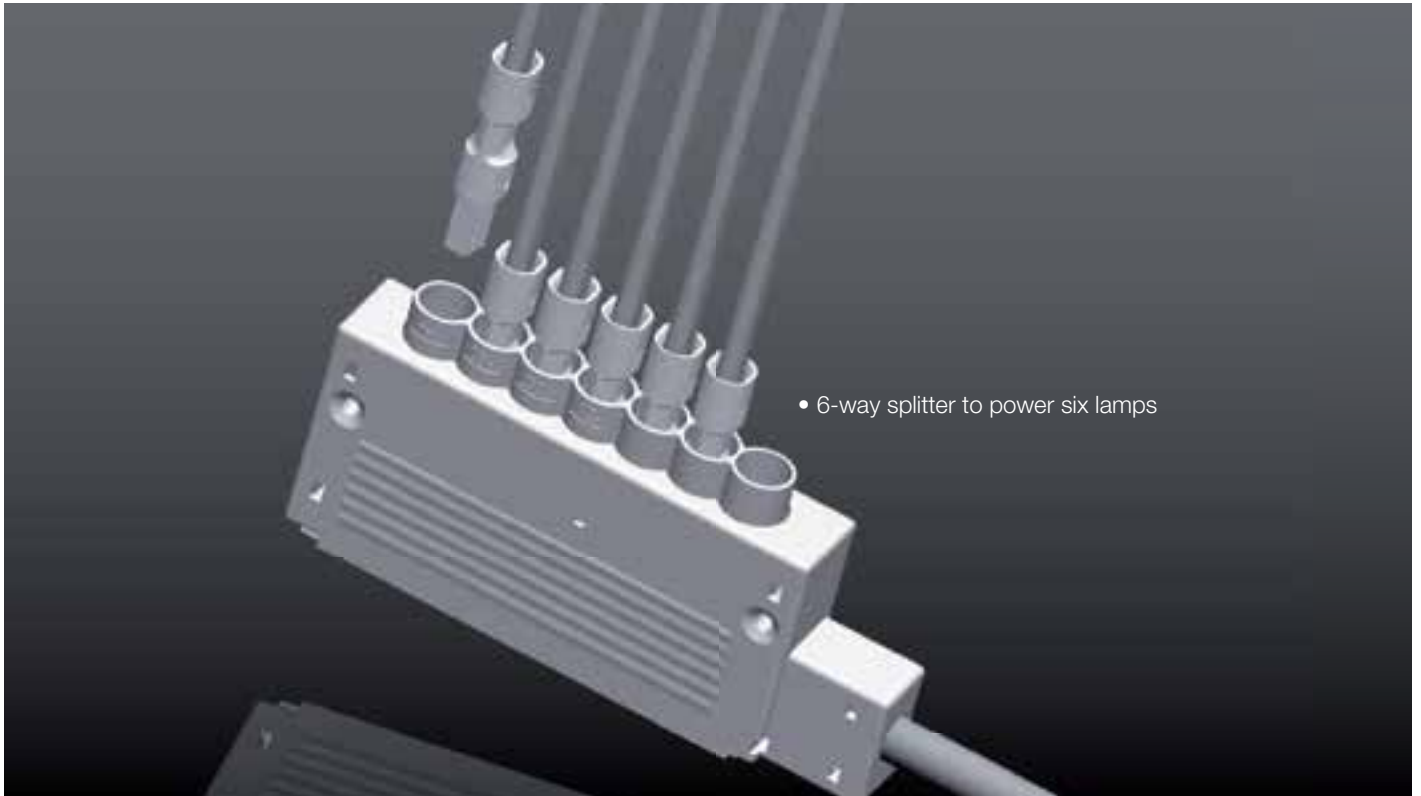


Female connector with 1200mm wire and power supply

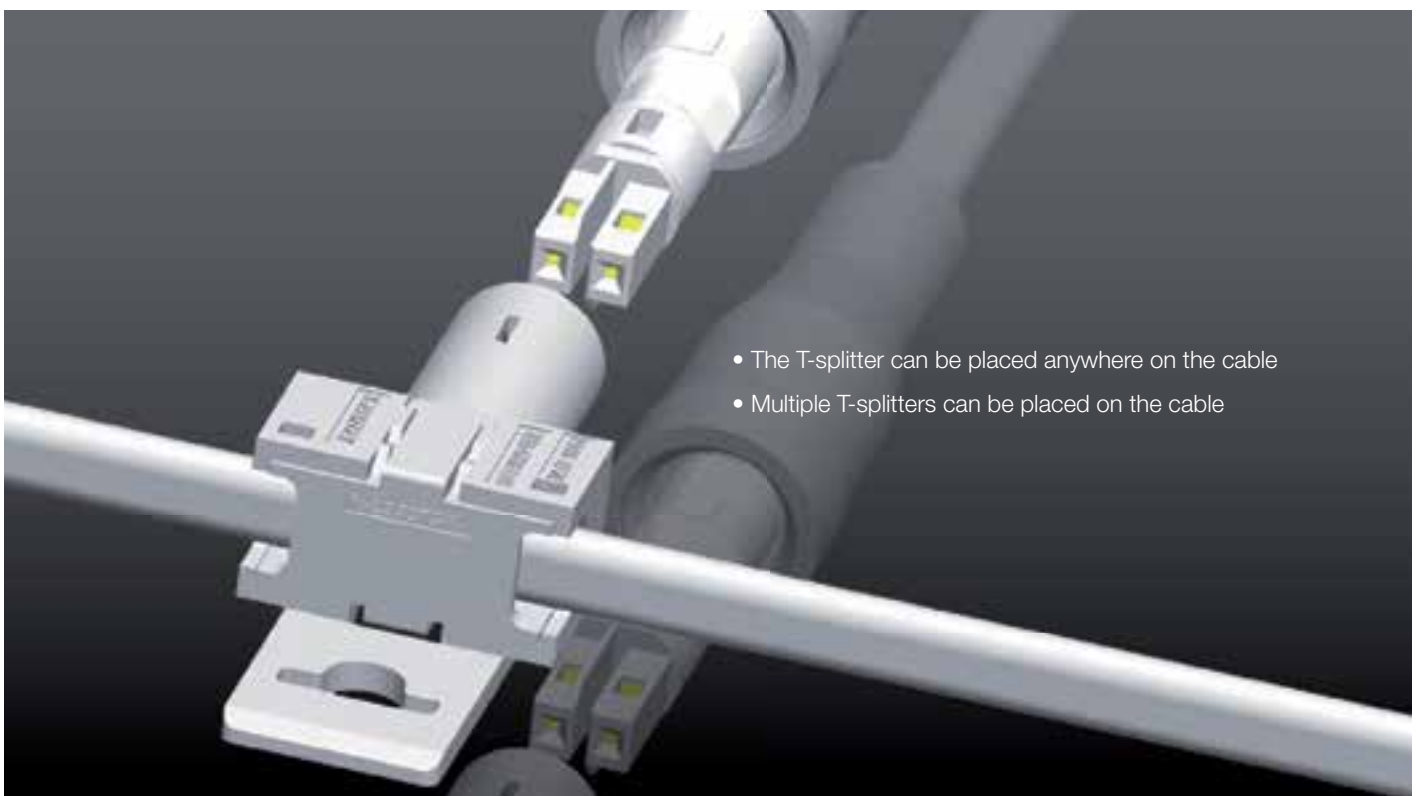
Plug-and-play wiring with Connectivity



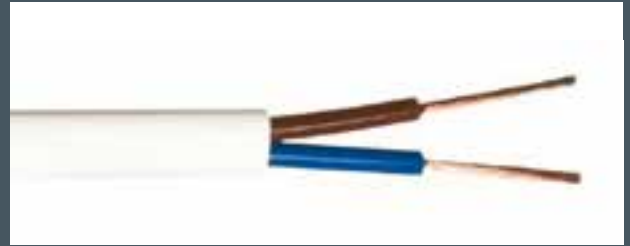
The 6-way splitter manages six light units with one power supply



Easily increase and adjust pre-installed systems with the T-splitter



Connect cable



Key Features

Conductor: Class 5 flexible plain copper conductors to BS EN 60228:2005 (previously S6360)
Insulation: PVC (Polyvinyl Chloride) T12 to BS7655
Sheath: PVC (Polyvinyl Chloride) TM2 to BS7655
Sheath colour: White

Voltage rating: 300/300V
Temperature rating: 0°C to +70°C
Minimum bending radius: 6 x overall diameter
Standards: BS6500



Specification

Eland Part No.	No. of Cores x Nominal Cross Sectional Area (mm ²)	Nominal Thickness of Insulation (mm)	Nominal Thickness of Sheath (mm)	Nominal Overall Diameter (mm)	Nominal Weight (kg/Km)
A3Y020075*FLAT	2 x 0.75	0.5	0.6	3.30 x 5.40	37

Conductors Class 5 flexible Copper Conductors for Single Core and Multi-Core cables

Table in accordance with BS EN 60228:2005 (previously BS6360)

1	2	3	3
Nominal Cross Sectional Area (mm ²)	Maximum Diameter of Wires in Conductor (mm)	Maximum Resistance of Conductor at 20°C	
		Plain Wires (ohms/km)	Metal-Coated Wires (ohms/km)
0.75	0.21	26.00	26.70

Electrical Characteristics Current Carrying Capacity (amperes): and Mass Supportable (kg)

Table in accordance with BS EN 60228:2005 (previously BS6360)

Conductor Cross Sectional Area mm ²	Current Carrying Capacity		Maximum Mass Supportable by Twin Flexible Cord (see Regulations 522.7.2 and 559.6.1.5) A
	Single Phase AC (Amps)	Three Phase AC (Amps)	
1	2	3	4
0.75	6	6	3

Rating factor for ambient temperature. 60°C thermoplastic or thermosetting insulated cords:

Ambient	35°C	40°C	45°C	50°C	55°C(Amps)
Rating Factor	0.91	0.82	0.71	0.58	0.41

The above table is in accordance with Table 4F3A of the 17th Edition of IEE Wiring Regulations.

Voltage Drop (per ampere per metre)

Conductor operating temperature: 60°C*. The below table is in accordance with Table 4F3B of the 17th Edition of IEE Wiring Regulations.

Conductor Cross Sectional Area (mm ²)	DC or Single Phase AC (mV/A/m)	Three Phase AC (mV/A/m)
1	2	3
0.75	62	54

The information contained within this datasheet is for guidance only. When selecting accessories such as cleats, glands, etc please note that actual cable dimensions may vary due to manufacturing tolerances.

12V Connect power supplies

15W, 30W and 60W constant voltage power supplies are available according to the requirements of each project using the Connect wiring system. Individual datasheets are available for each power supply by request.



15W




30W



60W

For more information on Applelec's products, please get in touch:

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