

PixCABLE™-Instruction for use

PixCABLE is a trademark from PIXLUM®

Read before installing

Low Voltage 12 Volts  IP20  CE  RoHS COMPLIANT

10.03.2015

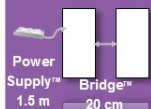
150 Watts MAX. - NF EN 60 598-1 et 60 598-2-1

The collection



The PixCABLE™ connectors meet the highest European standards.

PixCABLE 2.5mm²

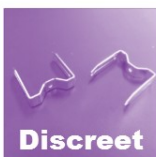


They connect one PixBOARD™ to another PixCABLE BRIDGE™ or to the transformer PixCABLE POWER™.

150 Watts

PixCABLE
Power Supply™
or
Bridge™

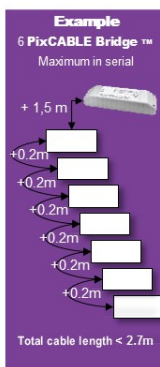
The PixCABLE POWER™ cord measures 1.5m. The PixCABLE BRIDGE™ measures 0.2m. They are limited to 150W with a cable section of 2.5 mm².



Discreet

The clips of PixCABLE™ connectors are very discreet. They can be inserted at 90% into the panel.

Foreword



- ▶ PixCABLE™ connectors can only be used in association with items from the PIXLUM® line (12 V AC SELV).
- ▶ Your PIXLUM® installation is limited to 150W.
- ▶ Connectors must be inserted with power off.
- ▶ PixCABLE POWER™ cords connect panels to the transformer.
- ▶ PixCABLE BRIDGE™ cords connect one panel to another.
- ▶ Do not connect more than 7 panels behind one another (illustration). Line-loss is negligible inside the panels ($2.67 \mu\Omega/\text{cm}$, meaning 8mV per panel). It is therefore only relevant inside the cables.
- ▶ Total cable length behind the transformer should never exceed 2.7m. This length is calculated by adding that of the PixCABLE POWER™ connector (1.5m) to those of the PixCABLE BRIDGE™ connectors (0.2m each). As you can see in this illustration, there is one power cord and six bridge connectors adding up to 2.7 m of cable which does not exceed the regulation-imposed 2.7m limit.

Instruction



- ▶ Insert both clips astride each one of the aluminum foils anywhere on the edges of your panels.
- ▶ Connect the PixCABLE POWER™ cords to the PixPOWER™ transformer. Make sure the screws of the transformer are tight on the 12 V output bared wires.
- ▶ Connect the PixBOARD™ panels to each other with PixCABLE BRIDGE™ connectors the same way.

In case of malfunction



- ▶ Make sure the power is on.
- ▶ Make sure that the clips are only touching one of the metallic foils, not two, otherwise that would generate a short circuit.
- ▶ Make sure that no metallic element touches the edge of the panel or is inserted in the panel.
- ▶ If you screwed your panel, make sure all screws come from the insulated PixSCREW™ line.

References and designations



Designation	Reference	Cable Length	Section	Max. Tension	Max P.	Qty
PixCABLE Power™	22171503	1,5 m	2,5 mm ² *	12 Volts AC	150 W. maxi.	10
PixCABLE Bridge™	23170203	0,2 m	2,5 mm ² *			10
CLIPS	21070003	-	-			10

* High temperature white flexible cable 180°C

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