



18V DC Power Supply Wiring Guide



Powers Up to Three PowerView®
or SoftTouch™ Motorization Window Treatments

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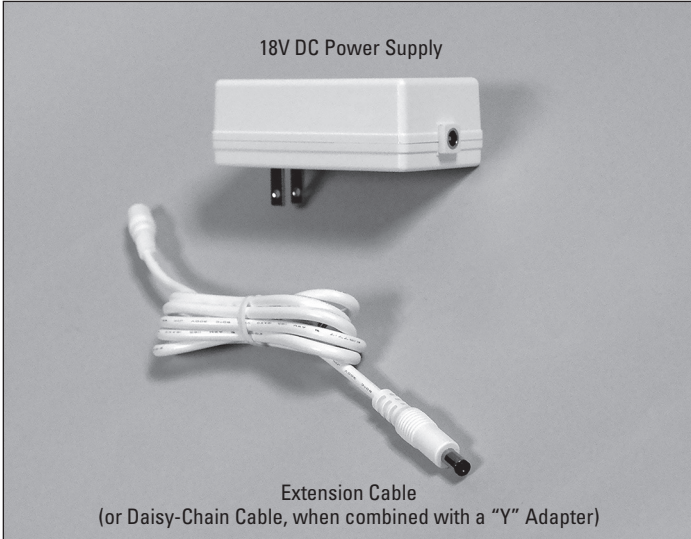
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Questions?

Call Hunter Douglas Consumer Support at **1-888-501-8364**.

Product View — Supplied Components



Product View — Additional Components Required for Custom Cable Wiring



Thank you for purchasing the Hunter Douglas 18V DC Power Supply. With this power supply properly installed, you will be able to power up to three Hunter Douglas PowerView® or SoftTouch™ Motorization window treatments. If a project includes more than three window treatments, it is recommended that the project be completed with the Large DC Power Supply.

Tools and Fasteners Needed

For custom cable installations only:

- Flat blade screwdriver
- #1 Phillips screwdriver
- Wire cutter and wire stripper
- 14/2, 16/2, or 18/2 AWG low-voltage electrical wire (Not Provided)

How To Use This Guide

This guide is intended for use in conjunction with the *Hunter Douglas Wiring for DC Power Manual*. For more information about choosing the power supply option that will best suit your project, as well as information concerning ordering, project planning, and mounting requirements, please reference the *Hunter Douglas Wiring for DC Power Manual* located in the Hunter Douglas Learning Center.

Daisy-Chain Requirements

Daisy-chaining refers to the method of powering multiple window treatments from a single power supply.

- Using the 18V DC Power Supply, a maximum of three window treatments can be daisy-chained together, with fabric dimensions not to exceed a combined total area of 100 sq. ft.
- If using Hunter Douglas daisy-chain cables, the maximum total cable length from the 18V DC Power Supply to the final shade connection cannot exceed 50 feet (combined length of all cables).
- Daisy-chaining is not available for traversing PowerView Motorization products (Luminette® sheers, Skyline® panels, and Provenance® draperies).

Components

When unpacking the power supply and the window treatment(s), be sure the following components are included:

- One 18V DC Power Supply.
- Extension cable available from Hunter Douglas in the following lengths: 15', 4', 10', and 20'.
- If daisy-chaining, one daisy-chain cable for two window treatments, or two daisy-chain cables for three window treatments.
 - Two window treatments: one daisy-chain cable required.
 - Three window treatments: two daisy-chain cables required.

Specifications

- Input: 120V AC, 1A
- Output: 18V DC, 2A
- Circuit class: 2

Dimensions

- Length: 3⁵/₈"
- Depth: 1³/₈"
- Width: 2"
- Weight: 7 oz

Wiring Methods

IMPORTANT: Local and national electrical codes must be followed when installing this product.

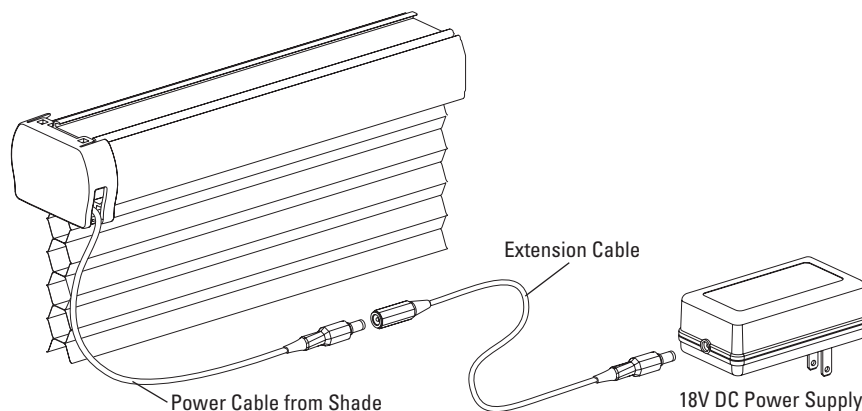
The following instructions explain how to wire the 18V DC Power Supply in existing homes where the walls are closed up. Choose the method appropriate for your installation.

Method 1 – Wiring with an Extension Cable

The 18V DC Power Supply comes with an 18 gauge extension cable that is available in various lengths: 15", 4', 10', and 20'.

Wiring

The male end of the extension cable connects directly to the 18V DC Power Supply while the female end of the cable connects to the "pigtail" power cable at the shade motor.

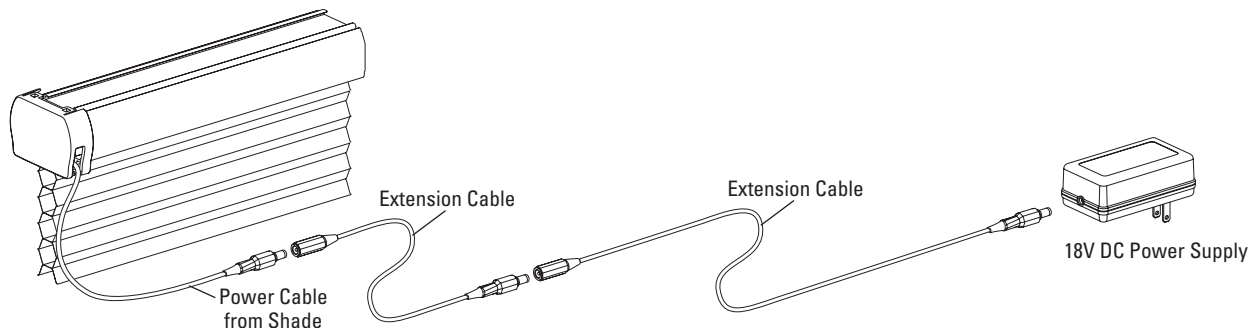


Method 1a – Wiring with Multiple Extension Cables

If the distance from the power supply to the window location is more than 20', you may connect multiple extension cables together.

The male end of the first extension cable connects directly to the 18V DC Power Supply, while the female end connects to the male end of the second extension cable and so on. The female end of the last extension cable connects to the "pigtail" power cable at the shade motor.

NOTE: Refer to the "Maximum Run Distance" in the table below. Extension cable wire gauge is 18/2, so total wire length is up to 150 feet.



Method 2 – Wiring with Custom Cables

If the cables that come with the power supply are not sufficient for a particular project, a custom cable can be made, using barrel connectors and 14, 16, or 18 AWG electrical wire.

The following table details the wire gauges and types that can be used with the barrel connectors. The table also shows the maximum run distances (total cable length allowed) for each wire gauge.

Wire Gauge	Type	Maximum Run Distance
18/2	2 stranded AWG electrical wire	150 feet
16/2	2 stranded AWG electrical wire	300 feet
14/2	2 stranded AWG electrical wire	450 feet

Components Required for Custom Cable Wiring

If planning to wire with a custom cable, be sure to order the following two components:

- One package of 10 screw to terminal barrel connectors, male.
- One package of 10 screw to terminal barrel connectors, female.

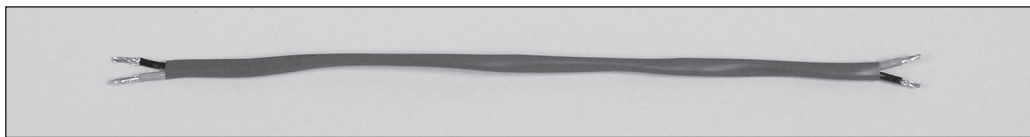


WARNING: To reduce the risk of fire, electric shock, or injury to persons, installation work and electrical wiring must be done by a qualified person in accordance with all applicable codes and standards.

Wiring

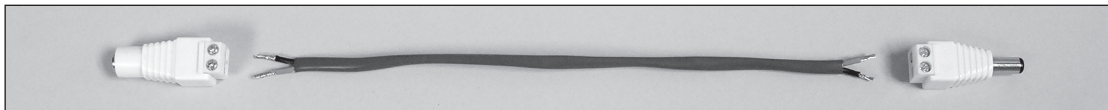
The male barrel connector is used to connect the electrical wiring of the custom cable to the power supply. The female barrel connector is used to connect the electrical wiring of the custom cable to the "pigtail" power cable at the shade motor. The barrel connectors can be connected to the electrical wiring using the following steps:

- Strip $\frac{1}{4}$ " of the insulation material away from each end of the custom cable electrical wiring.

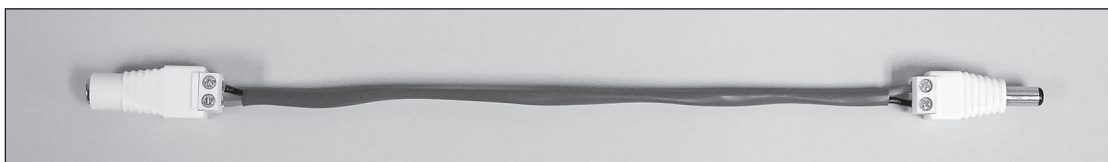


- Loosen the two screw terminals on each barrel connector with a #1 Phillips screwdriver.

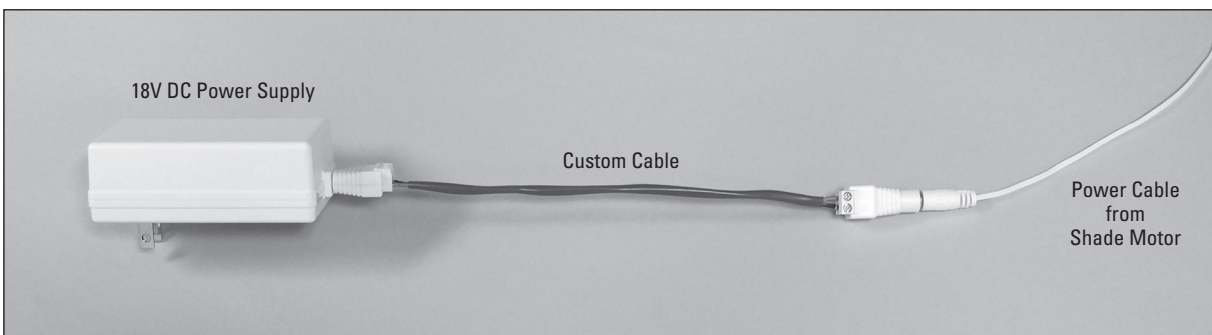
IMPORTANT: The screw terminals are marked + and – to show which electrical polarity should be connected to a terminal.



- Insert the positive and negative wires into the correct terminals and tighten the screws with a screwdriver.



- Connect the male barrel connector on the custom cable to the 18V DC Power Supply and connect the female barrel connector on the custom cable to the "pigtail" power cable from the shade motor.



Method 3 – Daisy-Chaining with a Single Power Supply

Up to three PowerView® or SoftTouch™ Motorization window treatments can be connected to a single 18V DC Power Supply using Hunter Douglas extension cables connected to “Y” adapter(s).

NOTE: Each daisy-chained window treatment can be operated individually.

Daisy-Chain Requirements

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- The maximum total cable length from the 18V DC Power Supply to the final window treatment connection cannot exceed 50 feet (combined length of all cables).
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Wiring

First “Y” Adapter

- The extension cable coming from the 18V DC Power Supply is plugged into the male side (IN) of the first “Y” adapter.
- The power cable from the first shade is plugged into one of the two female connectors (OUT) on the first “Y” adapter.
- An extension cable is plugged into the other female connector on the first “Y” adapter, which then plugs into either:
 - the power cable on the second shade (if there are only two shades), or
 - the male side of the second “Y” adapter, if there is a third shade.

Second “Y” Adapter

- The power cable from the second shade is plugged into one of the two female connectors on the second “Y” adapter.
- An extension cable is plugged into the other female connector on the second “Y” adapter, which then plugs into:
 - the power cable on the third shade.

NOTE: Cables should be secured and hidden behind the headrails.

