Captivating Windows

Electrician's Specification Sheet

Hunter Douglas PowerView+™ Motorized Window Treatments — Hardwire Requirements

Thank you for working on a project that includes Hunter Douglas PowerView+™ motorized window treatments. This sheet is designed to make your job easier. We handle everything after rough-in — all we need from you is the low-voltage wiring in place before drywall. The information below outlines exactly what's needed so there are no surprises on installation day.

■ TIMING IS CRITICAL

All wiring must be roughed in **before drywall and insulation are installed.** Retrofitting after drywall is significantly more costly and disruptive for the homeowner. If you have any questions before rough-in, contact us directly — we're happy to walk the job with you.

1. Power Supply Specifications (16 Shade Smart Power Supply)

Spec	Requirement
Input	120V AC, 6A
Output	18V DC, 90W
Circuit Class	Class 2
Max Shades per Unit	Up to 16 PowerView+ window treatments
Max per 15A Circuit	No more than two 16 Shade Power Supplies per 15A breaker
Network Connection	Cat 5 or Cat 6 cable required to connect power supply to home network
Mounting	Surface or recessed mounted; must be secured to studs or solid wood

2. Low-Voltage Wiring Specifications

Hunter Douglas offers a PowerView+ Bulk Cable (sold in 500 ft quantities) that meets all required specifications. This is a **four-conductor low-voltage cable**: two conductors (12–18 AWG) for power and two conductors (20–24 AWG shielded, twisted pair) for data.

- Class 2 flammability rating
- Meets VW-1 and FT-1 flame rating standards
- Do **not** run 110V to shade locations — low-voltage only
- Leave **12–18 inches of wire slack** at each shade termination point
- Conduit not required but recommended for future serviceability
- **No outlet needed** at shade location — wire terminates directly at shade motor

- A **Cat 5 or Cat 6 cable** is also required to connect the power supply to the home network — plan for ethernet access near the power supply location

3. Maximum Wire Run Distances by AWG

The maximum distance between the power supply and each window treatment depends on wire gauge and how many shades are connected per output. Use this table when planning wire runs:

Shades per Output	12 AWG	14 AWG	16 AWG	18 AWG
1 Window Treatment	1,500 ft	800 ft	300 ft	300 ft
2 Window Treatments ≤ 100 sq ft	750 ft	250 ft	150 ft	50 ft
3 Window Treatments ≤ 100 sq ft	500 ft	100 ft	50 ft	50 ft

Note: If using 12 or 14 AWG cable, wire terminations at the shade connector are compatible with 16–24 AWG only. You will need to reduce the gauge to 16 AWG or less at the shade connection point.

4. Daisy-Chaining Requirements

PowerView+ shades can be daisy-chained, allowing multiple shades to share a single wire run from the power supply:

- Up to **3 shades** can be daisy-chained per power supply output
- The power supply supports up to **16 shades total** — this maximum applies regardless of daisy-chaining
- A maximum of **8 shades per power supply module** is allowed
- For a two-shade daisy-chain: **1 daisy-chain cable** required
- For a three-shade daisy-chain: **2 daisy-chain cables** required
- Daisy-chaining is only available with PowerView+ shades

5. Where to Terminate the Wire

For each motorized shade location, run wire to one of the following:

- **Inside the window frame cavity** — ideal for recessed pocket installs (wire from side jamb or head jamb)
- **Above the window opening** — leave wire coiled inside the wall cavity, accessible from above
- **Inside a soffit or tray ceiling** — for ceiling-mounted shade applications

We will finalize exact wire locations with you or the builder during a pre-rough-in walkthrough if needed — just reach out and we'll schedule it.

6. Hub Power & Network Requirements

- Provide a standard **110V duplex outlet** at the power supply location (typically a media closet, AV rack, or utility area)
- The power supply does **not** require a dedicated circuit — it can share with other low-draw AV equipment
- Run a **Cat 5 or Cat 6 ethernet cable** to the power supply location for network connectivity
- Power supply location should be **centrally located** relative to all shade locations for best wire run efficiency

7. What Captivating Windows Handles

Once your wiring is in place, we take it from there. You do not need to worry about:

- Connecting wire to shade motors
- Installing or configuring the PowerView+ Power Supply
- Pairing shades to the app or remote controls
- Programming scenes, schedules, or smart home integrations
- Homeowner walkthrough and training on the system

8. Pre-Drywall Checklist

Task	Done?
Four-conductor low-voltage PowerView+ cable run to each shade location	■
12–18 inches of wire slack left at each termination point	■
Wire gauge appropriate for run distance (see table in Section 3)	■
Cat 5 or Cat 6 ethernet cable run to power supply location	■
110V duplex outlet installed at power supply location	■
No more than two power supplies planned per 15A circuit	■
Wire locations noted on as-built drawings or marked in wall	■
Confirmed shade count and locations with Captivating Windows	■

Questions before or during rough-in? We want to work with you — reach out anytime.