

# CRESNET-HP-NP

## Cresnet® “High-Power” Control Cable, Non-Plenum

The Cresnet® bus is the communications backbone for many Crestron® keypads, lighting controllers, shade motors, sensors, and other devices. Cresnet is a simple, yet flexible 4-wire network that provides bidirectional communication and 24VDC power for Cresnet devices. Cresnet allows for both homerun and daisy-chain wiring topologies, with cable lengths up to approximately 3000 feet (915 meters) per run.

Cresnet “High-Power” control cable features extra-large conductors for power and ground to support devices that draw a large amount of power over the Cresnet bus. Within a single non-plenum PVC jacket, CRESNET-HP-NP contains (1) 12 AWG pair for 24VDC and Ground, and (1) 22 AWG shielded twisted pair for control data.



### SPECIFICATIONS

#### Data Pair

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**Colors:** Blue/white

**Conductors:** (2) 22 AWG (0.33 mm<sup>2</sup>) stranded bare copper, twisted

**Insulation:** Foam Polyolefin

**Shield:** Aluminum/Polyester (100% coverage)

**Drain:** (1) 24 AWG (0.20 mm<sup>2</sup>) stranded tinned copper

**Capacitance:** 12.5 pF/ft (41 pF/m), nominal

**Impedance:** 100 Ohms, nominal

#### Power Pair

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**Colors:** Red/black

**Conductors:** (2) 12 AWG (3.31 mm<sup>2</sup>) stranded bare copper

**Insulation:** PVC

**Shield:** none

#### Outer Jacket

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**Material:** PVC

**Thickness:** 0.040 inch (1.02 mm) nominal

**Outer Diameter:** 0.330 inch (8.38 mm) nominal

**Color:** Teal w/brown stripe

#### Compliance

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NEC Article 800; UL Subject 13, Type CM; CSA Type CMG; RoHS

### MODELS & ACCESSORIES

#### Available Models

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**CRESNET-HP-NP-TL-SP1000:** Cresnet® “High-Power” Control Cable, Non-Plenum, Teal, 1000 ft (304 m) spool

**CRESNET-HP-NP-TL-SP500:** Cresnet® “High-Power” Control Cable, Non-Plenum, Teal, 500 ft (152 m) spool

Notes:

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: [patents.crestron.com](http://patents.crestron.com).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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