

# Connectors and cables

Connectors and cables which connect directly to the eGauge meter.

- [2-pin CT Plug](#)
- [Power Whip \(208V or 277V\)](#)
- [Twisted Pair Wire](#)
- [5 Pin Power Plug](#)
- [EG4xxx DC Power Supply](#)

# 2-pin CT Plug

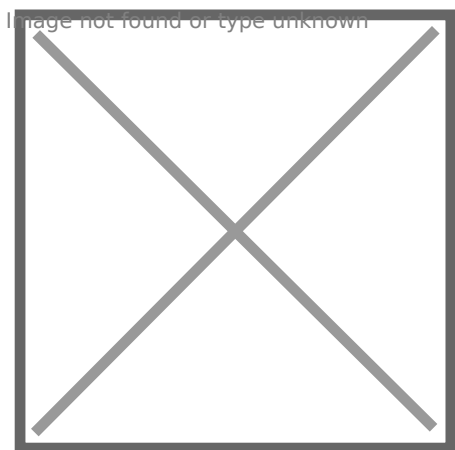
[Visit the online store page](#)

Original manufacturer part number: Tyco model 284506-2

Do not connect unsupported sensors to eGauge meter inputs or damage may occur.

CTs purchased from eGauge already have 2-pin connectors affixed

The eGauge Core and Pro meters already have a 2-pin plug connected to the DC voltage port



2-pin Plug

Sensor port connector with 2 positions. Accepts one positive and one negative wire. Used to connect CTs and supported sensors to the eGauge, as well as DC voltage to the EG4xxx DC input. Replacement component for eGauge meters.

## Hardware included

- 2-pin Plug

## Specs

- 14-30 AWG
- Weight: 1 gram

# Assembly/installation information

The two-pin plug is secured to the ends of a sensor lead for connection to the eGauge. May also be wired to DC output to power and/or take DC voltage measurements to the EG4xxx DC voltage input.

Suggested screw torque for the 2-pin plug is 2.7 in.-lb.

# Power Whip (208V or 277V)

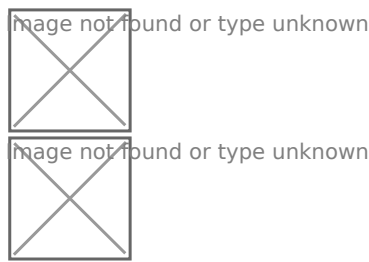
[Visit the online store page](#)

## SKU: Power Whip

The Power Whip is an installation component used to connect the eGauge meter to a breaker panel.

Each Power Whip includes a 5-pin Power Plug and four 8' lengths of THHN #12 stranded copper wire for Neutral, L1, L2 and L3.

Available in 208V (white, black, red blue) and 277V (white, yellow, orange, brown).



*eGauge Power Whip*

# Specifications

- 5-pin power plug (heat shrinking around wire terminations)
- 4x 8' segments of THHN #12 wire (NEC color coded for US voltage)
- THHN #12 stranded copper wire
- 208V Coloring scheme:

208V Color	Connection
White	Neutral
Black	L1
Red	L2
Blue	L3

- 277V Coloring scheme:

277V Color	Connection
White	Neutral
Yellow	L1
Orange	L2
Brown	L3

- 240V or 208V single-phase coloring scheme:

Single-phase Color	Connection
White	Neutral
Black	L1
Red	L2
Blue	[REMOVED]

# Assembly/installation information

The 5-pin power plug is connected to the 4 segments of wire with heat shrinking at the base. Trim the wire segments to length and connect the appropriate colors to the correct breaker and neutral connections. Insert the 5-pin power plug to eGauge when complete.

If the 208V whip is used on a single-phase 208V or 240V system, the blue wire (L3) should be removed from the whip assembly.

## Related Information

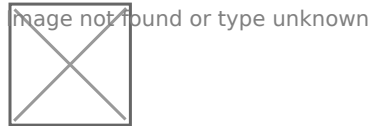
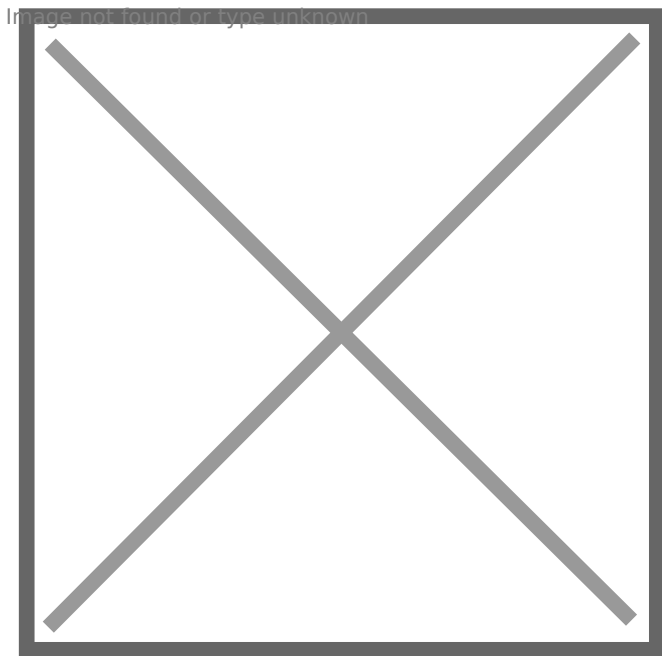
[eGauge 5-pin power plug](#)

# Twisted Pair Wire

[Visit the online store page](#)

18ga black and white twisted pair wire for extending CT leads or other signal wiring. Twisted pair wire is 18 AWG rated at 600V. Wire is sold without connectors or other hardware.

If extending CT leads, make splices using the **CT extension pack** or by soldering. Wire nuts do not provide a stable enough connection and should **not** be used.



## Specifications

- 18 AWG
- 600V rated
- UL Style 1015
- 105C rated

## Hardware included

- Twisted pair wire (available in 100, 250, and 500 foot spools)

# Assembly/installation information

For extending CT leads:

Ensure black/white wires are connected consistently

1. Remove the existing 2 pin CT plug from the CT lead.
2. Splice in the required length of twisted pair wire. Soldering the splices is recommended (butt splice connectors are a secondary option).
3. Reattach the 2 pin CT plug. Ensure the polarity on the plug is correct.

## Related Information

- [Extending CT leads](#)
- [CT Extension pack](#)

# 5 Pin Power Plug

[Visit the online store page](#)

*Current manufacturer information: Adam Tech EBH-05-G*

Voltage terminal connector block with 5 positions. Accepts three line voltage conductors (L1, L2, and L3) and a neutral conductor. Split-phase installations use the L1, L2, and N terminals. Single phase installations use the L1 and N terminals.

This is a replacement part for eGauge meters. Every eGauge meter includes a 5-pin plug with it.



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*eGauge 5-pin Power Plug*

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## Hardware included

- 5-pin power plug

## Assembly/installation information

Follow all warning and safety procedures when operating with high voltage.



Do not apply greater than 277Vac between any line and neutral terminal, and greater than 480Vac between any line and line terminal.

Do not attempt to power eGauge meters without an appropriate neutral terminal connection.

Pay attention to correct terminals; switching line inputs or neutral connections can result in damage.

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Connect appropriate voltage measurements to the screw terminals and tighten securely. Do not connect anything to the "Unused" terminal. If wiring a single-phase system, leave the L3 terminal unused.

Suggested torque for the 5-pin power plug is 5 in.-lb.

Weight: 9 grams

# EG4xxx DC Power Supply

[Visit the online store page](#)

SKU: TPC-DC

DC power supply for EG4xxx (Core/Pro) Meters (with international adapters).

**Not for use** with the ESH044 Sensor hub, if connected to the Sensor Hub 5 Vdc 2-pin voltage port **sensor damage will occur**.

The EG4xxx DC Power Supply may be used for:

- Powering the meter when monitoring a [480V delta](#) or other high-voltage system that utilizes the [EV1000](#) voltage sensors for voltage measurements.
- Easily powering the meter from a standard wall outlet, for the use of programming the meter before installation or downloading data after removed from an installation.
- Powering the meter if the installation type does not require reference voltage for AC or DC power calculations.

When measuring AC power, the AC voltage inputs must be utilized, power cannot be calculated otherwise. The EG4xxx DC Power Supply may be used to power an eGauge while it is measuring high voltage, but the AC inputs (L1/L2/L3/N) must be connected to the system being monitored either by connections to the AC Mains power connector or via [EV1000](#) sensors.

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*eGauge Test Power cable*

# Specifications

- 100Vac to 240Vac input
- 12Vdc output @ 0.42A
- UL Listed

## Hardware

- AC to DC power supply
- 2 pin plug (attached)
- 4x Receptacle adapters

## Warnings

The EG4xxx DC Power Supply may only be used with EG4xxx meters (Core and Pro).

The EG4xxx DC Power Supply is suitable for testing and programming an eGauge, and cannot be used when measuring power unless when used in conjunction with EV1000 high voltage sensors.

The EG4xxx DC Power Supply is rated for 120-240Vac. It cannot be connected to higher input voltages.

## Assembly/installation information

The EG4xxx DC Power Supply must be connected to the Ldc terminal. If connected to a Sensor/CT input damage may occur

1. Select the appropriate receptacle adapter.
2. Clip the receptacle adapter into the body of the power supply.
3. Connect the two pin plug to the Ldc terminal (next to the five pin power plug).