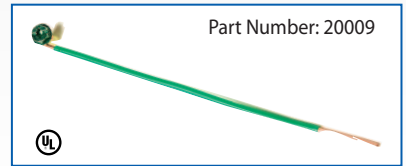


GROUND BONDING PRODUCTS

GROUND BONDING PIGTAILS – INSULATED SOLID WIRE (12 AWG AND 14 AWG)

- EPCO's Solid Wire Ground Bonding PigTails are recommended for use in metal box applications.
- Features a captive GSH or GSC Green Ground Screw on one end, the other end is pre-stripped 1".
- Available in 6.5", 8", 10" and 12" lengths.
- Typical applications:
 - Ground bonding in a power distribution box, junction box or multi-gang receptacle box.
 - When a standard Stranded Wire PigTail is not required.
- Meets the requirements of the 2011 National Electrical Code: Articles 110.14(A) and (B) and 250.8.
- UL Listed.



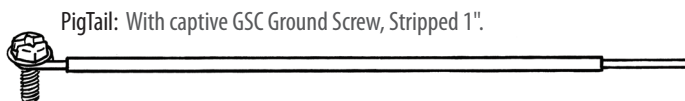
| Catalog Number | UPC Number | Description | Order Unit | Unit Qty | Unit Pkg | Units/Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|----------------|------------|---|------------|----------|----------|------------|-------------|---------------|--------|---------------|
| 20016 | 20016 | 6.5" PigTail: Captive GSC Ground Screw – Stripped 1" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 9 |
| 20086 | 20086 | 8" PigTail: Captive GSC Ground Screw – Stripped 1" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 11 |
| 20088 | 20088 | 10" PigTail: Captive GSC Ground Screw – Stripped 1" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 13 |
| 20090 | 20090 | 12" PigTail: Captive GSC Ground Screw – Stripped 1" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 1 |
| 20009* | 20009 | 6.5" PigTail: Captive GSH Ground Screw – Stripped 1" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 9 |
| 20011* | 20011 | 8" PigTail: Captive GSH Ground Screw – Stripped 1" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 11 |
| 20087 | 20087 | 10" PigTail: Captive GSH Ground Screw – Stripped 1" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 13 |
| 20089 | 20089 | 12" PigTail: Captive GSH Ground Screw – Stripped 1" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 15 |
| 20010 | 20010 | 6.5" PigTail (14 AWG): Captive GSH Ground Screw – Stripped 1" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 7 |
| 20091 | 20091 | 8" PigTail (14 AWG): Captive GSH Ground Screw – Stripped 1" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 9 |

*Contractor preferred

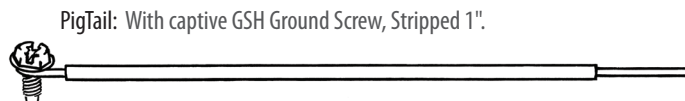
Reference Guide – Insulated Solid Wire PigTails (12 AWG and 14 AWG)

Part Numbers

20016: 6.5-Inch
20086: 8-Inch
20088: 10-Inch
20090: 12-Inch



20009: 6.5-Inch*
20011: 8-Inch*
20087: 10-Inch
20089: 12-Inch
20010: 6.5-Inch (14 AWG)
20091: 8-Inch (14 AWG)



UNITS OF MEASURE KEY

Order Unit: The Unit to be ordered; Order Qty: Number of pieces in each Unit; Unit Pkg: Packaging types - BG (Bag), BX (Box), PKG (Package); Units/Case: Unit packages contained in the Case; TL Case Qty: The total number of items in each Master Case; Min Order Qty: The smallest Unit that can be ordered; MM Req: Must order multiples of the Unit in the stated quantities; Ship Wt (Lbs): Total weight of the Units per Carton

Specifications subject to change without prior notice.

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PRODUCTS CO.**

GROUND BONDING PRODUCTS

GROUND BONDING PIGTAILS – INSULATED STRANDED WIRE (12 AWG AND 14 AWG)

- Labor and Time Savings!
- EPCO's Stranded Wire Ground Bonding PigTails can save the Contractor up to 50 cents per installation.
- Meets the requirements of the 2011 National Electrical Code: Articles 110.14(A) and (B) and 250.8.
- Factory-crimped Flanged Spade Terminal or Ring Terminal meets the requirements of the 2011 National Electrical Code: Article 110.4 and provides precise electrical terminations.
- Typical applications: Ground bonding in a power distribution box, junction box or multi-gang receptacle box.
- UL Listed.

Part Number: 20004




| Catalog Number | UPC Number | Description | Order Unit | Unit Qty | Unit Pkg | Units/ Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|----------------|------------|--|------------|----------|----------|-------------|-------------|---------------|--------|---------------|
| 20008* | 20008 | 8" PigTail: 1 Flanged Spade Terminal – Stripped 5/8" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 13 |
| 20082 | 20082 | 10" PigTail: 1 Flanged Spade Terminal – Stripped 5/8" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 13 |
| 20084 | 20084 | 12" PigTail: 1 Flanged Spade Terminal – Stripped 5/8" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 15 |
| 20041 | 20041 | 8" PigTail: Ring Terminal, captive GSC Ground Screw, 1 Flanged Spade Terminal | EA | 50 | PKG | 10 | 500 | 50 | Yes | 13 |
| 20020 | 20020 | 10" PigTail: Ring Terminal, captive GSC Ground Screw, 1 Flanged Spade Terminal | EA | 50 | PKG | 10 | 500 | 50 | Yes | 15 |
| 20026 | 20026 | 12" PigTail: Ring Terminal, captive GSC Ground Screw, 1 Flanged Spade Terminal | EA | 50 | PKG | 10 | 500 | 50 | Yes | 17 |
| 20036 | 20036 | 8" PigTail: Ring Terminal, captive GSC Ground Screw – Stripped 5/8" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 12 |
| 20035 | 20035 | 10" PigTail: Ring Terminal, captive GSC Ground Screw – Stripped 5/8" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 14 |
| 20044 | 20044 | 12" PigTail: Ring Terminal, captive GSC Ground Screw – Stripped 5/8" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 16 |
| 20004* | 20004 | 8" PigTail: 1 Flanged Spade Terminal, captive GSH Ground Screw | EA | 50 | PKG | 10 | 500 | 50 | Yes | 13 |
| 20019 | 20019 | 10" PigTail: 1 Flanged Spade Terminal, captive GSH Ground Screw | EA | 50 | PKG | 10 | 500 | 50 | Yes | 15 |
| 20025 | 20025 | 12" PigTail: 1 Flanged Spade Terminal, captive GSH Ground Screw | EA | 50 | PKG | 10 | 500 | 50 | Yes | 17 |
| 20029* | 20029 | 8" PigTail: Ring Terminal, captive GSH Ground Screw – Stripped 5/8" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 12 |
| 20034 | 20034 | 10" PigTail: Ring Terminal, captive GSH Ground Screw – Stripped 5/8" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 14 |
| 20043 | 20043 | 12" PigTail: Ring Terminal, captive GSH Ground Screw – Stripped 5/8" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 16 |
| 20007 | 20007 | 7" PigTail (14 AWG): 1 Flanged Spade Terminal – Stripped 5/8" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 11 |
| 20040 | 20040 | 8" PigTail (14 AWG): Ring Terminal, captive GSC Ground Screw, 1 Flanged Spade Terminal | EA | 50 | PKG | 10 | 500 | 50 | Yes | 11 |
| 20003 | 20003 | 8" PigTail (14 AWG): 1 Flanged Spade Terminal, captive GSH Ground Screw | EA | 50 | PKG | 10 | 500 | 50 | Yes | 16 |

*Contractor preferred

UNITS OF MEASURE KEY

Order Unit: The Unit to be ordered; Order Qty: Number of pieces in each Unit; Unit Pkg: Packaging types - BG (Bag), BX (Box), PKG (Package); Units/Case: Unit packages contained in the Case; TL Case Qty: The total number of items in each Master Case; Min Order Qty: The smallest Unit that can be ordered; MM Req: Must order multiples of the Unit in the stated quantities; Ship Wt (Lbs): Total weight of the Units per Carton

 EPCO Ground Bonding PigTails are Made in the USA. Complies with the American Recovery and Reinvestment Act – Buy American Provision.

Specifications subject to change without prior notice.

Reference Guide – Insulated Stranded Wire PigTails (12 AWG and 14 AWG)

Part Numbers

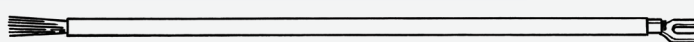
20007: 7-Inch (14 AWG)

PigTail: 1 Flanged Spade Terminal, Stripped 5/8".

20008: 8-Inch*

20082: 10-Inch

20084: 12-Inch



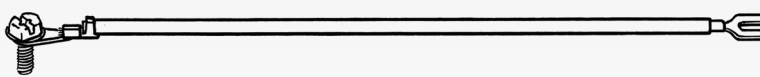
20040: 8-Inch (14 AWG)

PigTail: 1 Flanged Spade Terminal and a captive GSC Ground Screw.

20041: 8-Inch

20020: 10-Inch

20026: 12-Inch



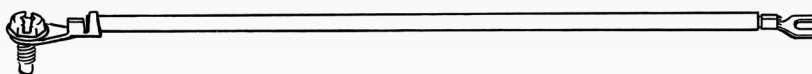
20003: 8-Inch (14 AWG)

PigTail: 1 Flanged Spade Terminal and a captive GSH Ground Screw.

20004: 8-Inch*

20019: 10-Inch

20025: 12-Inch

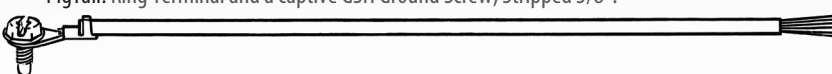


20029: 8-Inch*

PigTail: Ring Terminal and a captive GSH Ground Screw, Stripped 5/8".

20034: 10-Inch

20043: 12-Inch

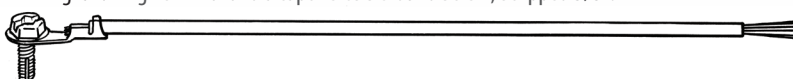


20036: 8-Inch

PigTail: Ring Terminal and a captive GSC Ground Screw, Stripped 5/8".

20035: 10-Inch

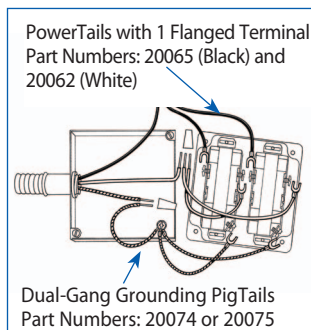
20044: 12-Inch



SINGLE AND DUAL-GANG GROUND BONDING PIG TAILS™ (12 AWG)

- Labor and Time Savings!
- UL Listed.
- Matched Flanged Spade and Ring Terminals ensure a safe, reliable ground connection.
- Meets the requirements of the 2011 National Electrical Code: Articles 110.14(A) and (B) and 250.8.

Reprinted from the 2011 National Electrical Code: Article 250.148 – Continuity and Attachment of Equipment Grounding Conductors to Boxes: Where circuit conductors are spliced within a box, or terminated on equipment within, or supported by a box, any equipment grounding conductor(s) associated with those circuit conductors shall be connected within the box or to the box with devices suitable for the use in accordance with 250.148(A) through (E).



Part Number: 20074



| Catalog Number | UPC Number | Description | Order Unit | Unit Qty | Unit Pkg | Units/Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|----------------|------------|---|------------|----------|----------|------------|-------------|---------------|--------|---------------|
| 20067 | 20067 | Single-Gang PigTail: 8" Solid Wire Incoming Lead, Stripped 1", 8" Stranded Wire Conductor with 1 Flanged Spade Terminal, captive GSH Ground Screw | EA | 20 | PKG | 10 | 200 | 20 | Yes | 9 |
| 20068 | 20068 | Single-Gang PigTail: 8" Stranded Wire Incoming Lead, Stripped 5/8", 8" Stranded Wire Conductor with 1 Flanged Spade Terminal, captive GSH Ground Screw | EA | 20 | PKG | 10 | 200 | 20 | Yes | 9 |
| 20070* | 20070 | Dual-Gang PigTail: Two 8" Stranded Wire Conductors, each with 1 Flanged Spade Terminal, captive GSH Ground Screw | EA | 20 | PKG | 10 | 200 | 20 | Yes | 10 |
| 20074* | 20074 | Dual-Gang PigTail: 8" Solid Wire Incoming Lead, Stripped 1", Two 8" Stranded Wire Conductors, each with 1 Flanged Spade Terminal, captive GSH Ground Screw | EA | 20 | PKG | 10 | 200 | 20 | Yes | 11 |
| 20075 | 20075 | Dual-Gang PigTail: 8" Stranded Wire Incoming Lead, Stripped 5/8", Two 8" Stranded Wire Conductors, each with 1 Flanged Spade Terminal, captive GSH Ground Screw | EA | 20 | PKG | 10 | 200 | 20 | Yes | 13 |

UNITS OF MEASURE KEY

Order Unit: The Unit to be ordered; **Order Qty:** Number of pieces in each Unit; **Unit Pkg:** Packaging types - BG (Bag), BX (Box), PKG (Package); **Units/Case:** Unit packages contained in the Case; **TL Case Qty:** The total number of items in each Master Case; **Min Order Qty:** The smallest Unit that can be ordered; **MM Req:** Must order multiples of the Unit in the stated quantities; **Ship Wt (Lbs):** Total weight of the Units per Carton

Specifications subject to change without prior notice.

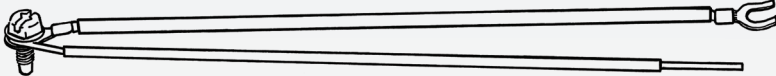
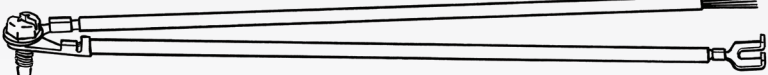
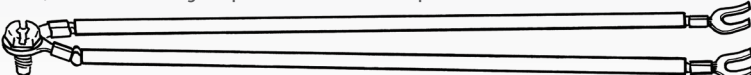
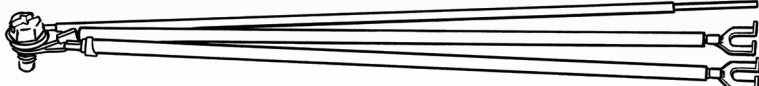
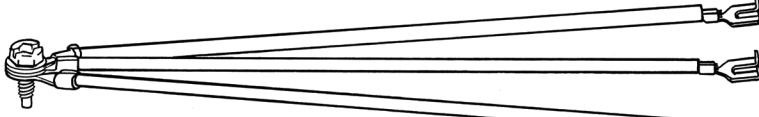


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Reinvestment Act – Buy American Provision.

GROUND BONDING PRODUCTS

Reference Guide – Single and Dual-Gang Ground Bonding PigTails (12 AWG)

Part Numbers

| | | | |
|----------------|---|--|---------------------|
| 20067: 8-Inch | Single-Gang PigTail: One 8" Solid Wire Incoming Lead - Stripped 1", One 8" Stranded Wire Conductor with 1 Flanged Spade Terminal and a captive GSH Ground Screw. |  | (UL 1015) (THHN) |
| 20068: 8-Inch | Single-Gang PigTail: One 8" Solid Wire Incoming Lead - Stripped 5/8", One 8" Stranded Wire Conductor with 1 Flanged Spade Terminal and a captive GSH Ground Screw. |  | (THHN) (UL 1015) |
| 20070: 8-Inch* | Dual-Gang PigTail: Two 8" Stranded Wire Conductors, each with 1 Flanged Spade Terminal and a captive GSH Ground Screw. |  | (UL 1015) |
| 20074: 8-Inch* | Dual-Gang PigTail: One 8" Solid Wire Incoming Lead - Stripped 1", Two 8" Stranded Wire Conductors with 2 Flanged Spade Terminals and a captive GSH Ground Screw. |  | (THHN) (UL 1015) |
| 20075: 8-Inch | Dual-Gang PigTail: One 8" Stranded Wire Incoming Lead - Stripped 5/8", Two 8" Stranded Wire Conductors with 2 Flanged Spade Terminals and a captive GSH Ground Screw. |  | (UL 1015) (THHN) |

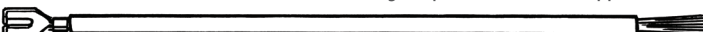
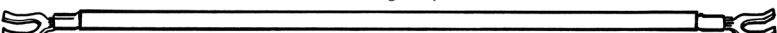
POWERTAILS® DEVICE WIRING CONDUCTORS (12 AWG)


- Labor and Time Savings!
- EPCO's Stranded Wire Ground Bonding PigTails can save the Contractor up to 50 cents per installation.
- Meets the requirements of the 2011 National Electrical Code: Articles 110.14(A) and (B) and 250.8.
- Factory-crimped Flanged Spade Terminal or Ring Terminal meets the requirements of the 2011 National Electrical Code: Article 110.4 and provides precise electrical terminations.
- Typical applications: Ground bonding in a power distribution box, junction box or multi-gang receptacle box.
- UL Listed.

| Catalog Number | UPC Number | Description | Order Unit | Unit Qty | Unit Pkg | Units/ Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|----------------|------------|--|------------|----------|----------|-------------|-------------|---------------|--------|---------------|
| 20062 | 20062 | 8" PowerTail: White, Stranded Wire Conductor with 1 Flanged Spade Terminal – Stripped 5/8" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 8 |
| 20063 | 20063 | 8" PowerTail: White, Stranded Wire Conductor with 2 Flanged Spade Terminals | EA | 50 | PKG | 10 | 500 | 50 | Yes | 9 |
| 20064 | 20064 | 8" PowerTail: Black, Stranded Wire Conductor with 2 Flanged Spade Terminals | EA | 50 | PKG | 10 | 500 | 50 | Yes | 8 |
| 20065 | 20065 | 8" PowerTail: Black, Stranded Wire Conductor with 1 Flanged Spade Terminal – Stripped 5/8" | EA | 50 | PKG | 10 | 500 | 50 | Yes | 9 |

Reference Guide – PowerTails Device Wiring Conductors (12 AWG)

Part Numbers

| | | | |
|------------------------------|---|--|-----------|
| 20062: White 20065: Black | PowerTail: Stranded Wire Conductor with 1 Flanged Spade Terminal – Stripped 5/8". |  | (THHN) |
| 20063: White 20064: Black | PowerTail: Stranded Wire Conductor with 2 Flanged Spade Terminals. |  | (UL 1015) |

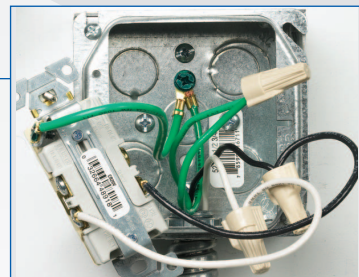
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SINGLE AND DUAL-GANG GROUND BONDING PIGTAILS – APPLICATION EXAMPLES

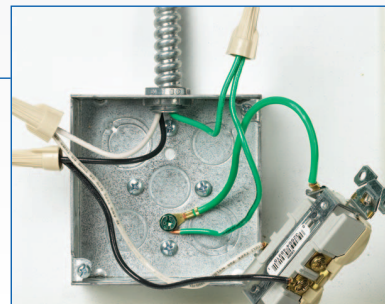
SINGLE-GANG SOLID WIRE: 20067

The ground screw is screwed into and bonds the metal junction box. The single stranded wire grounding conductor with the flanged spade terminal from this same PigTail grounds the receptacle. The solid wire grounding conductor on the PigTail will ground the receptacle. The solid wire grounding conductor on the PigTail connects to the MC Cable and bonds back to the service panel.



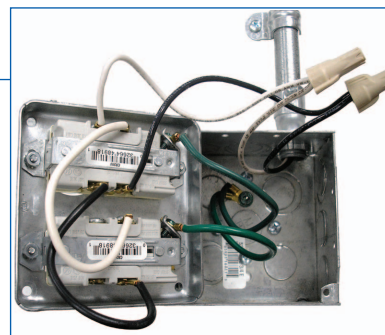
SINGLE-GANG STRANDED WIRE: 20068

The ground screw is screwed into and "grounds" the metal junction box. The single stranded wire grounding conductor with the flanged spade terminal from this PigTail grounds the receptacle. The stranded wire grounding conductor on the PigTail connects (by wire nut) the incoming ground conductor in the MC Cable and bonds back to the service panel.



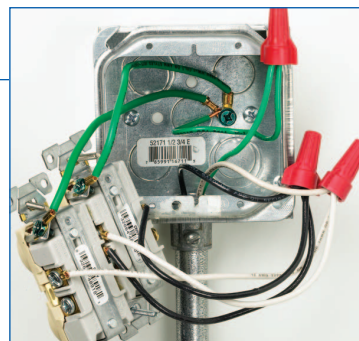
DUAL-GANG STRANDED WIRE: 20070

The ground screw is screwed into the 10/32 tapped grounding hole opening in the metal junction box, bonding the junction box to the conduit system and grounded back to the service panel. The two stranded wire ground PigTails with the flanged spade terminals would then connect to the grounding screw of the receptacles or switches to be wired.



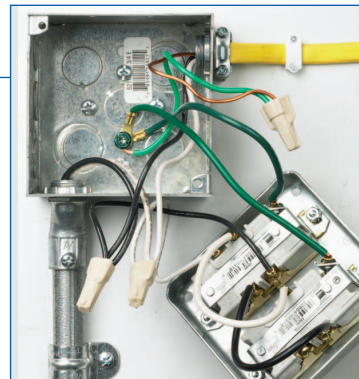
DUAL-GANG SOLID WIRE: 20074

The ground screw is screwed into and bonds the metal junction box. The two stranded wire grounding conductors with the flanged spade terminals from this PigTail grounds each receptacle. The solid wire conductor on the PigTail connects by wire nut to the incoming ground conductor in the conduit and bonds back to the service panel.



DUAL-GANG STRANDED WIRE: 20075

The ground screw is screwed into and "grounds" the metal junction box and is bonded back to the service-grounded panel. Two (2) stranded wire grounding conductors with flanged spade terminals from this PigTail ground each receptacle. The stranded wire grounding conductor on the PigTail connects by wire nut to the ground conductor from the incoming cable.



GROUND SCREWS

Engineered Products Company's Ground Screws and Ground Clip products are manufactured in compliance with the Restriction of Hazardous Substances (RoHS) European Directive. EPCO's Green Ground Screws (#10-32 x .375") meet the requirements of the 2011 National Electrical Code: Article 250.8.

GSC – Cutting Point Screw – Combination hex head, slotted, phillips and square drive screw for use in metal boxes when holes have not been pre-tapped.

GSH – Hex Head Screw – Combination slotted, phillips and square drive tapered point screw used to simplify wiring installations when pre-tapped holes exist in metal boxes.

Note: Beginning July 1, 2006, Directive 2002/95/EC, of the European Union (EU), restricts the use of certain hazardous substances in electrical and electronic equipment. Those substances are Lead, Mercury, Cadmium, Hexavalent Chromium, PBBs.



GSC Ground Screw-
Cutting Point Screw



GSH Ground Screw-
Hex Head Screw

| Catalog Number | UPC Number | Description | Order Unit | Order Qty | Unit Pkg | Units/ Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|----------------|------------|--|------------|-----------|----------|-------------|-------------|---------------|--------|---------------|
| GSC | 10053 | GSC: Slotted, #2 Phillips, Hex Head with Cutting Point - Green | EA | 100 | PKG | 10 | 1000 | 100 | Yes | 1 |
| GSCT | 30053 | GSC: Slotted, #2 Phillips, Hex Head with Cutting Point - Green | EA | 250 | PKG | 10 | 2500 | 250 | Yes | 2 |
| 20053 | 20053 | GSC: Bulk | C | 1000 | BX | 0 | 0 | 1000 | Yes | 10 |
| GSH | 10051 | GSH: Slotted, #2 Phillips, Hex Head, #2 Robertson with Tapered Die Point - Green | EA | 100 | PKG | 10 | 1000 | 100 | Yes | 1 |
| GSHT | 30051 | GSH: Slotted, #2 Phillips, Hex Head, #2 Robertson with Tapered Die Point - Green | EA | 250 | PKG | 10 | 2500 | 250 | Yes | 2 |
| 20051 | 20051 | GSH: Bulk | C | 1000 | BX | 0 | 0 | 1000 | Yes | 10 |

Note: Ground Screws listed above are used in EPCO Ground Bonding PigTails.

GROUND CLIPS

- Excellent time and labor saving alternative to using Ground Screws.
- Meets the requirements of the 2011 National Electrical Code: Article 250.8.

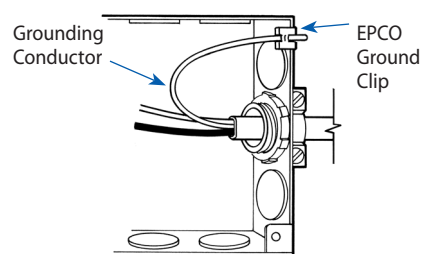
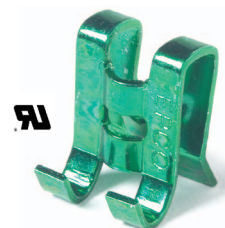
EPCO's Ground Clips are specifically designed for termination of the grounding conductor and should be used when a 10-32 hole is not pre-drilled or tapped into a metallic junction box.

Since ground clips are forced onto the junction box, EPCO recommends using a "new" ground clip instead of re-using the old ground clip. Ground clips should never be forced onto the round portion of a plaster ring or a poor electrical connection will result.

Installation Procedure:

The correct way to install a ground clip is to feed the grounding conductor into the ground clip with the shorter part of the ground clip placed inside the junction box.

Then use the flat blade of a screwdriver to force the ground clip onto the junction box to ensure a good electrical connection. See illustration.



| Catalog Number | UPC Number | Description | Order Unit | Order Qty | Unit Pkg | Units/ Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|----------------|------------|---------------------------------------|------------|-----------|----------|-------------|-------------|---------------|--------|---------------|
| GC | 10052 | Ground Clip: for 14-12 AWG Solid Wire | EA | 100 | BG | 10 | 1000 | 100 | Yes | 1 |
| GCT | 30052 | Ground Clip: for 14-12 AWG Solid Wire | EA | 250 | PKG | 10 | 2500 | 250 | Yes | 2 |
| 20052 | 20052 | GC: Bulk | C | 1000 | BX | 0 | 0 | 1000 | Yes | 10 |

Specifications subject to change without prior notice.

E02-024-000 A2 (6/12-SP)
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