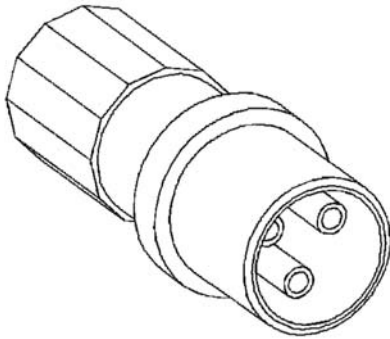
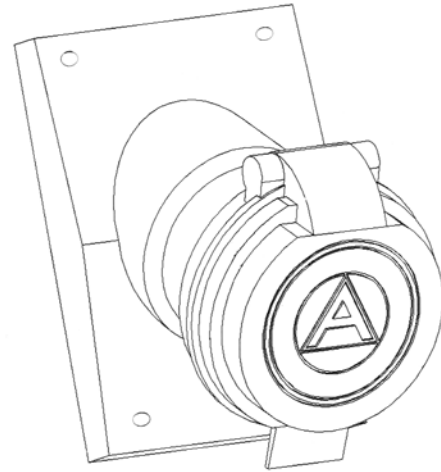


INSTALLATION AND OPERATING INSTRUCTIONS for CPP516 PLUG AND CPS152R RECEPTACLE



CPP516 Plug



CPS152R Receptacle

**Read instructions carefully
and with full understanding
for safe installation and operation.**

Applications

- Locations where receptacles are used with stationary or portable electrically operated devices such as lighting systems, conveyors, heaters, motor generator sets, air conditioners, compressors, and pumps.
- Locations where damp or corrosive conditions are encountered.
- Class I : Classified areas such as petrochemical plants, petroleum refineries, paint and chemical plants, or any location where ignitable vapors or gases are present.
- Class II : Locations such as process industries where there are dust hazards from handling such products as flour, grain, and starch or any location where ignitable amounts of dust are present, or amounts which would otherwise affect performance.

The CPP516 Plug is UL Listed in combination with the Appleton CPS152R Receptacle and UL Classified in combination with the Crouse-Hinds CPS152R Receptacle for use in Class I, Group C and D areas.

Operational Data

Lift receptacle cover and insert plug to first position. Rotate receptacle key ring clock wise. Push plug into final position to complete electrical circuit.

Features

- Heavy duty cable grip exceeds UL Standard 1010, 150 LB. pull-out test for classified locations.
- Rotation of receptacle key ring ensures that plug cannot be removed accidentally.
- Neoprene plug bushing accommodates flexible cord from .538 to .639 inch diameter.
- Plug housing design enables better gripping and easier insertion and withdrawal.
- The CPP516 Plug and CPS152R Receptacle are designed for 20 ampere use at 125 or 250 volts AC.

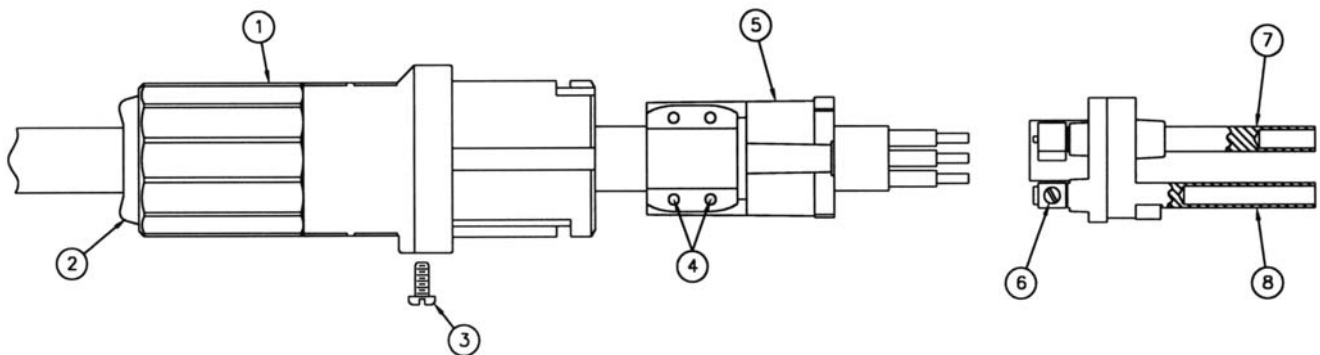
WARNING

Turn "OFF" all electric power to the plug and receptacle before starting. Verify the power is "OFF". Failure to do so may result in serious injury or electrocution.

WARNING
ELECTRICAL POWER MUST BE TURNED "OFF"
BEFORE AND DURING INSTALLATION AND MAINTENANCE.
Failure to do so may result in death or serious injury due to electrical shock.

Except as expressly provided by Appleton Electric LLC (Appleton) in writing, Appleton products are intended for ultimate purchase by industrial users and for operation by persons trained and experienced in the use and maintenance of this equipment and not for consumers or consumer use. Appleton warranties do not extend to, and no reseller is authorized to extend Appleton's warranties to, any consumer.

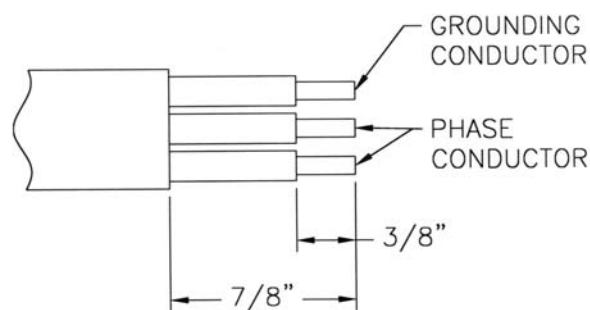
INSTALLATION INSTRUCTIONS



Installation of CPP516 Plug

To disassemble device as shown, remove Ground Screw (Item 3) from Plug Housing (Item 1). Remove Contact Holder Assembly and Insulator Clamp Assembly from Plug Housing (Item 1). Remove the Neoprene Bushing (Item 2). Strip the cable jacket and individual conductors per the Terminal Wire Stripping Guide.

TERMINAL WIRE STRIPPING GUIDE



CAUTION
Care must be taken not to cut into the individual conductor insulation when removing the outer cable jacket and to not damage the conductors when removing individual wire insulation. Failure to do so will seriously degrade the electrical properties of the cable and may produce overheating and/or electrical hazard leading to electrocution.

NOTE

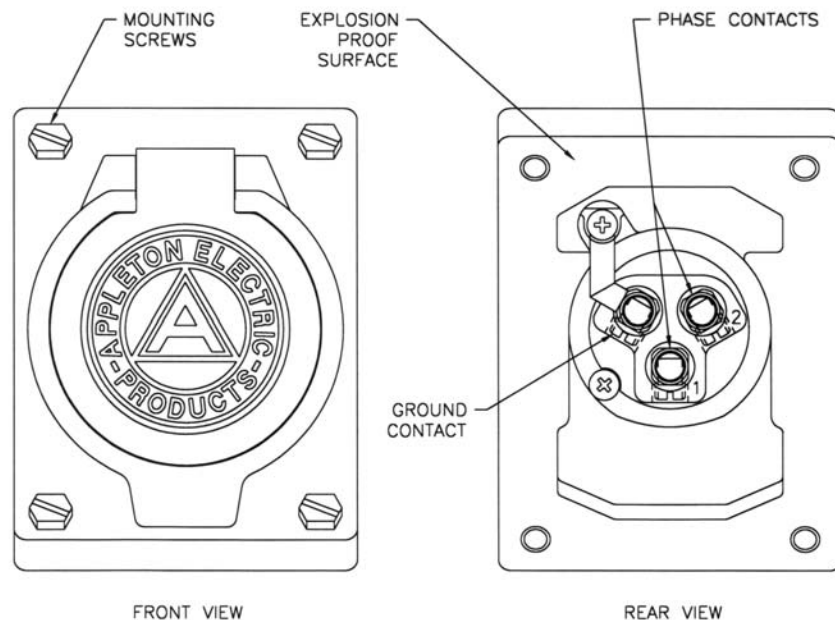
The CPP516 Plug should be wired with three conductor rubber covered #12 AWG through #14 AWG Type SO cords with copper conductors ONLY.

- Slide the Neoprene Bushing over the cord, the bushing will adjust to the cord diameter. Slide the cord through the Plug Housing.
- Loosen the four Clamp Screws (Item 4) from the Insulator Clamp Assembly. Slide the Insulator Clamp Assembly over the cord.
- Slip the phase conductors and grounding conductor into the lugs of the plug contacts. Tighten the lug set screws to a torque of 9 in-LBS to 11 in-LBS.
- Slide the Insulator Clamp Assembly flush to the Contact Holder. Tighten the (4) Insulator Clamp Assembly screws to a torque of 10 in-LBS to 11 in-LBS.
- Slide the Insulator Clamp Assembly and Contact Holder Assembly into the Plug Housing, being careful to align it with the polarization rib on the inside of the Plug Housing.
- Tighten the Ground Screw (Item 3) to a torque of 10 in-LBS.
- Slide the Neoprene Bushing (Item 2) into place.

Installation of CPS152R Receptacle

The Appleton CPS152R Receptacle should be mounted on Appleton Catalog number EDS171, EDS271, EDS371, EDS171SA, EDS271SA, EDS371SA, EDSC171, EDSC271, EDSC371, EDSC171SA, EDSC271SA, and EDSC371SA Single Gang Back Boxes or Appleton Catalog number EDS172, EDS272, EDS372, EDS172SA, EDS272SA, EDS372SA, EDSC172, EDSC272, EDSC372, EDSC172SA, EDSC272SA, and EDSC372SA Two Gang Back Boxes.

The Receptacle is also compatible for use with Crouse-Hinds Catalog number EDS, EDSC, and EDSCM series Back Boxes.



NOTE

The CPS152R Receptacle should be wired with #12 AWG copper conductor wire.

The Receptacle Back Box should be installed in the desired location.

The Receptacle should be mounted onto the Back Box with the cover hinge facing upward.

Strip one half inch of insulation from the phase and ground leads.

Insert wires into the appropriate contacts and tighten set screws to a torque of 20 in-LBS.

The flange surfaces of the Receptacle and Back Box mate to provide an explosion proof joint. These surfaces should be wiped with a clean, dry cloth to remove any foreign materials. To aid in the prevention of water ingress, a thin layer of Appleton Electric LLC catalog number TLC3 conductive grease may be applied to the flange surfaces.

Tighten the (4) receptacle mounting screws to a torque of 30 in-LBS.

MAINTENANCE

Electrical and mechanical inspection of all components must be performed regularly. It is recommended that inspection be performed a minimum of once a year.

Inspect all wire terminals for tightness (Retorque). Discoloration due to excessive heat is an indicator of possible problems and should be thoroughly investigated and repaired as necessary.

Check grounding and bonding for correct installation and secure connection (Retorque).

Check gaskets for discoloration and replace if necessary.

Clean exterior surfaces making sure nameplates remain legible.

Inspect cable grip tightness to ensure proper cord/cable gripping.

Torque all screws as described in instructions before reusing device.

Inspect all parts and replace those which are broken or excessively worn.

Check contacts for signs of excessive arcing or burning and replace if necessary.

In addition to these required maintenance procedures, we recommend an Electrical Preventative Maintenance program as described in the National Fire Protection Association Bulletin NFPA No. 70B.

ELECTRICAL TESTING

Do not connect power until conducting the following electrical tests.

Test continuity of wiring to verify correct phasing and grounding connections.

Measure insulation resistance to be sure system does not have any short circuits or unwanted grounds.

WARNING

Do not modify these devices in any way. Replace any missing or broken parts with proper replacement parts from Appleton Electric LLC. Modification of these devices or substitution of parts with non-standard parts may result in serious/fatal personal injury from electrocution.

RETAIN THIS INSTRUCTION SHEET FOR FUTURE REFERENCE