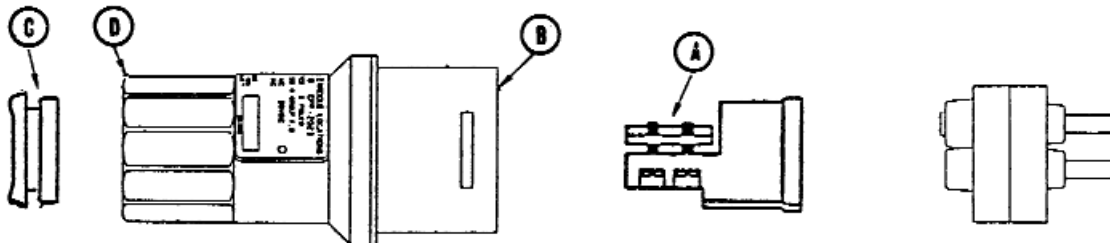


Instruction Sheet for Appleton's 20 Amp "CPP" Plug



Class I, Groups B,C,D
Class II, Groups F,G
Class III

AMPS	DIAGRAM	WIRE/POLE	CABLE DIA. (INCHES)	CATALOG NUMBER
				125-250V A.C.
20		2W, 3P	.536 - .639	CPP-2023

Applications:

- Locations where receptacles are used with stationary or portable electrically operated devices such as lighting systems, conveyors, heaters, motor-generator sets, air conditioner 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 effect performances.

Operational Data:

- Lift receptacle door and insert plug all the way into the receptacle.
- Turn plug clockwise limit (37°). This closes internal contacts and completes circuit.
- Release plug.
- To remove plug, apply inward pressure on plug and turn to counter-clockwise limit (37°). Pull plug straight out.

Features:

- A. Heavy duty cable grip exceeds UL Standard 1010, 150 lb. pull-out test for classified locations.
- B. Twisting plug locks it in place, cannot be accidentally pulled out.
- C. Special neoprene plug bushing accommodates flexible cord ranging from .536 to .639 inch diameter.
- D. Longer plug housing for better gripping and easier plug insertion and withdrawal.

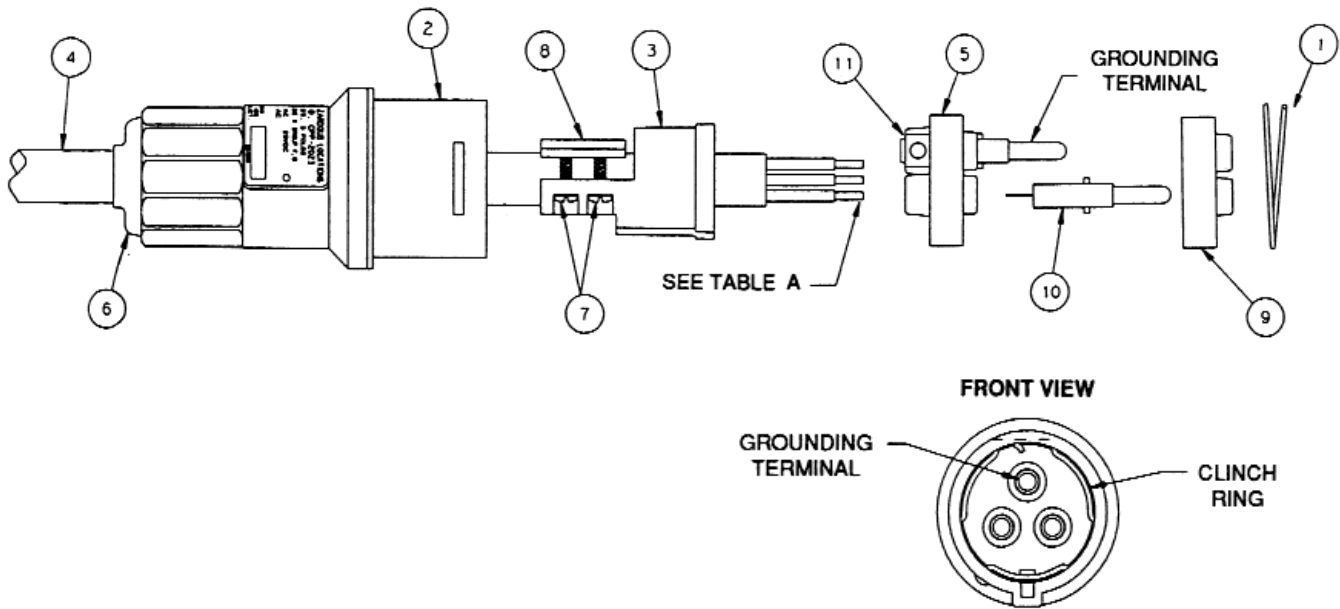
The CPP-2023 plug is designed for use with the following receptacles in Class I, Groups B,C,D; Class II, Groups F,G; and Class II, Division 1 and 2 hazardous locations:

CPSA-2350	CPSA-2375	CPSC-2350	CPSC-2375	CPSE-2350	CPSE-2375
CPSL-2350	CPSL-2375	CPST-2350	CPST-2375	CPSX-2350	CPSX-2375
CPE1-2350	CPE1-2375	CPE1-23100	CPC1-2350	CPC1-2375	CPC1-23100
EFD150-NL	EFD175-NL	EFD110-NL	EFDC150-NL	EFDC175-NL	EFDC110-NL

The CPP-2023 plug is designed for use with the following receptacles in Class I, Groups C,D; Class II, Groups F,G; and Class II, Division 1 and 2 hazardous locations:

CPE2-2350	CPE2-2375	CPE2-23100	CPC2-2350	CPC2-2375	CPC2-23100
EFD250-NL	EFD275-NL	EFD210-NL	EFDC250-NL	EFDC275-NL	EFDC210-NL
CPR-23					

Instruction Sheet for Appleton's 20 Amp "CPP" Plug



Instructions:

1. To disassemble device as shown, remove clinch ring (1) from plug housing (2) interior.
2. Remove terminal block assembly (5) and insulator clamp assembly (3) from plug housing (2).
3. Strip the cable jacket and individual conductors per **Table A**.

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/electrical hazard leading to electrocution.

4. Slide plug housing (2) over cord (4).
 - The self sealing neoprene bushing will adjust to cord diameter.
5. Loosen four clamp screws (7) from insulator clamp assembly (3).

Note:

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

6. Slide insulator clamp assembly (3) over cord (4).
7. Separate front terminal block (9) from rear terminal block (5). Fasten individual conductor wires to terminal block assembly as follows:
 - For 125V: Green wire to grounding plug terminal "G" (11).
White wire to lug terminal "W".
Black wire to remaining lug terminal.
 - For 250V: Green wire to grounding plug terminal "G" (11).
Other 2 wires to remaining 2 lug terminals.
 Tighten terminal screw to a torque of 9 in.-lb. Minimum/11 in.-lb. Maximum.
8. Slide insulator clamp (3) over cord (4) until it is seated against the terminal block assembly.
9. Place the cord clamp (8) as shown in **Table B** according to cable diameter and tighten the four clamp screws (7) to a torque of 10 in. -lb. Minimum/11 in.-lb. Maximum.

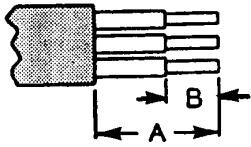
Caution:

DO NOT attempt to over-tighten the screws or bottom the clamp.

10. Slide plug housing (2) over insulator clamp assembly (3) and terminal block assembly. Rotate housing to find correct orientation
11. Insert clinch ring into plug housing interior.

Table A

Terminal Wire Stripping Guide



A	1 1/2
B	5/16

Warning:

Use cable with diameters within the specified range given in Table B. Failure to do so may result in over stressed wire terminations which could cause the conductors to pull out of the contacts and cause serious/fatal injuries due to electrocution.

Table B

CORD DIA. INCHES	CORD CLAMP CONFIGURATION
.539 - .639	See Figure 1

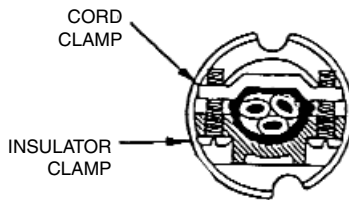


Figure 1

Caution:

Plug and cord connections are rated for use with Type SO cord with copper conductors *ONLY*.

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.

Warning:

- Electrical power must be turned "OFF" before and during installation and maintenance.
- Failure to do so may result in serious or fatal injuries due to electrocution.

Warning:

If any parts of the plug, receptacle or cable connector appear to be missing, broken or show signs of damage:

DISCONTINUE USE IMMEDIATELY

This condition could cause serious/fatal personal due to electrocution and or equipment damage. Repair with proper replacement part(s) before continuing use.

1. Inspect all contact wire terminals for tightness.
 - Discoloration due to excessive heat is an indicator of possible problems and should be thoroughly investigated and repaired if necessary.
2. Check grounding and bonding for correct installation and secure connection. (Retorque).
3. Check gaskets for deterioration and replace if necessary.
4. Clean exterior surfaces making sure nameplates remain legible.
5. Inspect cable grip tightness to ensure proper cord/cable gripping.
6. Torque all screws as described in instructions before using device.
7. Inspect all parts and replace those which are broken or excessively worn.
8. Check contacts for signs of excessive arcing or burning and replace if necessary.

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

Electrical Testing:

Do not connect to 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.

Electrical Ratings:

125-250V A.C., 20A at 2 H.P.; 28V D.C.

Warning:




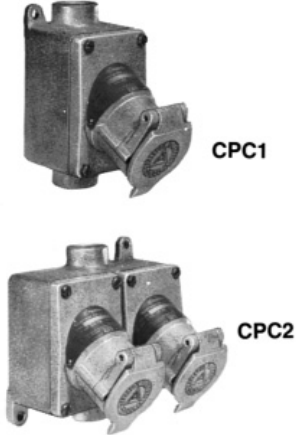
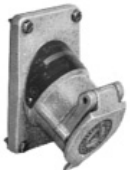

- Do not modify these devices in any way.
- Replace any missing or broken parts with proper replacement parts from Appleton Electric, LLC.
- Modifications of these devices or substitution of parts with non-standard parts may result in serious/fatal personal injury from electrocution.

RETAIN THIS INSTRUCTION SHEET FOR FUTURE REFERENCE

**Class I, Div. 1 and 2
Groups B,C,D
NEMA 7BCD**

20 Amp CPS Factory Sealed Receptacles: Explosionproof

Dead-Front Safety Construction—Grounding thru Extra Pole and Shell.

		Type	Wire/Pole	Hub Size, Inches	Catalog Number
 <p>CPSE CPSC</p>		<p>CPS Receptacles 120-240V A.C., 20A at 1 H.P.; 20A at 24V D.C.</p>			
		Dead-End	2W,3P	1/2 3/4	CPSE-2350 CPSE-2375
		Feed-Thru	2W,3P	1/2 3/4	CPSC-2350 CPSC-2375
 <p>CPSA</p>		<p>CPS Receptacle 15° Angle Type 120-240V A.C., 20A at 1 H.P.; 20A at 24V D.C.</p>			
		Dead-End	2W,3P	1/2 3/4	CPSA-2350 CPSA-2375
 <p>CPSR</p>		<p>CPS Receptacle Only (Replacement)</p>			
		CPSR	2W,3P		CPSR-23
 <p>CPC1 CPC2</p>		<p>CPS Receptacles with EFD Mounting Boxes 120-240V A.C., 20A at 1 H.P.; 20A at 24V D.C.</p>			
		<p>Single Gang</p>			
		Dead-End	2W,3P	1/2 3/4 1	CPE1-2350 CPE1-2375 CPE1-23100
		Feed-Thru	2W,3P	1/2 3/4 1	CPC1-2350 CPC1-2375 CPC1-23100
		<p>Two Gang</p>			
		Dead-End	2W,3P	1/2 3/4 1	CPE2-2350 CPE2-2375 CPE2-23100
		Feed-Thru	2W,3P	1/2 3/4 1	CPC2-2350 CPC2-2375 CPC2-23100
		<p>CPS Receptacle Only (Replacement)</p>			
		CPR	2W,3P		CPR-23
		<p>CPP Plugs for use with Receptacles Above Solder Well Wire Terminals</p>			
		Plug amperes match receptacle ratings	2W,3P	Cable Dia., Inches .536 to .639	CPP-2023