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EPEXC-CO-100-12.3-20A

20-Amp Explosion Proof Extension Cord - 100' 12/3 SOOW Cord - Explosion Proof Plug & Connector

Product ID: 147185

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

EPEXC-CO-100-12.3-20A Explosion Proof Extension Cord
Amp Rating: 20 Amp Continuous Service
Dimensions: Cord length-100 Feet Plug-2.78"-L 1.75"-W
Configuration: 2 Pole 3 Wire
Voltage: 125 Volts or 250 Volts
Cord Cap: 5-20P or 6-20P EXP
Wiring: 100` 12/3 SOOW Cable Terminated w/ (1) Explosion Proof Straight Blade Plug and (1) 20 Amp Connector
Connector: 5-15C/5-20C or 6-15C/6-20C EXP

Receptacle Specs: 1 Inline Receptacle
Materials: Copper Free Aluminum
Mating Plugs:EPP-15A, EPP-20A
Finish: Epoxy Powder Coat

Plug / Outlet Certifications
Class I, Divisions 1 & 2,Groups C & D
Class II, Divisions 1 & 2,Group F
U.L. Certification

Special Orders - Special Requirements
Contact us for special requirements

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Made in the USA

The Larson Electronics EPEXC-CO-100-12.3-20A 100` Explosion Proof extension cord allows operators to safely extend the range of their explosion proof light or equipment cords beyond the boundaries of the hazardous work area. Equipped with Class I & II, Division 1 & 2 plug and connector, this unit is approved for use with explosion proof equipment within classified environments.

Each explosion proof extension cord is constructed of 100` of 12/3 SOOW cord and rated at 20 amps of continuous service. The cord is chemical and abrasion resistant and comes with an explosion proof, 20 amp EPCO-20A connector style receptacle with hinged cover installed on one end and an explosion proof 20-amp plug installed on the other end. The plug on this cord can only be used in T-style outlets and will not work in standard electrical outlets.
The plugs on these units are of a twist lock design. In order for a secure and working connection to take place, the operator must insert the plug and twist until it locks into place. This ensures a safe seal is made before any sparks from electrical contact can take place. To ensure the highest safety, operators should make connections outside of the hazardous area.
The receptacle is constructed of non sparking aluminum and finished with an epoxy powder coating for durability and added corrosion resistance. The internal receptacle plug contacts are constructed of brass and designed to maintain constant pressure along their entire length for superior connectivity. The plug receptacle is deeply recessed to prevent accidental contacts and designed for twist lock plug insertion to provide secure connections. A neoprene seal fitted inside the connector receptacle seals against the plug when inserted to provide positive sealing against water ingress. A spring loaded receptacle door provides an automatic weather-tight seal when the plug is removed. This flip-style lid features a special notch, allowing operators to lock the door in the open position while plugging or unplugging devices. With no devices plugged into the connector, the lid will screw shut, providing a NEMA 4X seal. When a plug is installed in this connector, the internal seals provide a NEMA 3 seal.

Click Photos to Enlarge



125V 5-20P Explosion Proof Straight Blade Plug

These explosion proof extension cords are preconfigured in 125V (left) or 250V (right). Each unit is equipped with a 20 amp explosion proof cord cap and rated for 20 amps of continual service. The outlets are a twistlock design. The deep recessed contacts in the receptacle housing prevents ordinary and wet location plugs from activating the explosion proof outlets.



250V 6-20P Explosion Proof Straight Blade Plug



Outlet accepts EPP-15A and EPP-20A explosion proof plugs

We offer this unit in a 125V or 250V configuration. Each receptacle`s contacts are deep recessed to avoid accidental contact and will accept standard non explosion proof plugs that are NEMA 5-20R, or 6-20R compatible although explosion proof plugs must be used to preserve explosion proof approval in hazardous environments. Ordinary location plugs will NOT activate this cord`s explosion proof receptacles. This explosion proof connector is a mate for the Larson Electronics EPP-15A and EPP-20A explosion proof plugs and is compatible with all the Larson Electronics explosion proof lights we make with an explosion proof plug. This unit`s receptacle is designed to safely contain any arcs between the internal contacts that may be created within the receptacle housing.
Inter-Compatibility: These cords use T style plugs and will work with non-

explosion proof standard receptacles and plugs (NEMA 5-15R, 5-20R, or 6-20R) but will not work with standard 120V wall outlets. The included plugs and receptacle are cross-interchangeable with Crouse Hind™ part# ENP5201 plugs and receptacles and Hubble-Killiark part# UGP-20231 ACCEPTOR® plugs and receptacles. Any equipment requiring these C-H or H-B plugs should work with these cords. Due to possible manufacturer changes we cannot guarantee interchangeability although we have made every effort to ensure cross compatibility correctness.

Suggested Applications: Manufacturing, Industrial, Warehouse, Lighting, Explosion Proof Light Fixtures, Grinders, Wet areas or Locations Where Combustible Dust is Present.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

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EPEXC-CO-100-12.3-20A

Product ID: 147185

Warranty: 36 Months

Export Control Classification Number (ECCN): EAR99

Options:

EPEXC-CO-100-12.3-20A-Voltage

Example: EPEXC-CO-100-12.3-20A-2023-125V

Voltage	
125V	-2023-125V
250V	-2023-250V

Links (Click on the below items to view):

- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- CE Certificate
- Certificate 1, Misc
- Certificate 2, Misc
- Certificate 3, Misc
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- SpecSheetArabic
- SpecSheetRussian
- SpecSheetSpanish
- USA NEC Certificate (Commonly referred to as UL Certificate)
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map