Explosion Proof Cord Repair Kit and Extension Cable
Explosion Proof 1523 Cord Cap - 12' 16/3 SOOW
Instruction Manual

WARNING:

USER SHOULD BE TRAINED IN THE PROPER USE AND MAINTENANCE OF THIS DEVICE. WHEN EXTENSION CORD IS CONNECTED TO A POWER SOURCE IN HAZARDOUS AREA, PLUG AND MATCHING RECEPTACLE MUST BE SUITABLE FOR HAZARDOUS LOCATION INVOLVED. IMPROPER USE OF THIS DEVICE, ASSOCIATED PLUG, RECEPTACLE, AND CORD CAN LEAD TO SERIOUS INJURIES OR DEATH TO PERSONNEL.

PERIODIC INSPECTION OF THE RECEPTACLE AND CORD IS NECESSARY.

THE CORD MUST BE ROUTINELY CHECKED FOR CUTS, BREAKS, OR ANY SEVERE ABRASIONS, AND IF ANY ARE FOUND, THE CORD MUST BE REPLACED BEFORE RESUMING USE OF THE UNIT.

ELECTRICAL POWER SUPPLY MUST BE “OFF” BEFORE AND DURING INSTALLATION AND MAINTENANCE. INSTALLATION AND MAINTENANCE PROCEDURE MUST BE PERFORMED BY A TRAINED AND COMPETENT ELECTRICIAN.

IF ANY PARTS OF THE RECEPTACLE OR PLUG APPEAR TO BE MISSING, BROKEN, OR SHOW SIGNS OR DAMAGE, DISCONTINUE USE IMMEDIATELY. REPLACE WITH THE PROPER REPLACEMENT PART(S) BEFORE CONTINUING SERVICE.

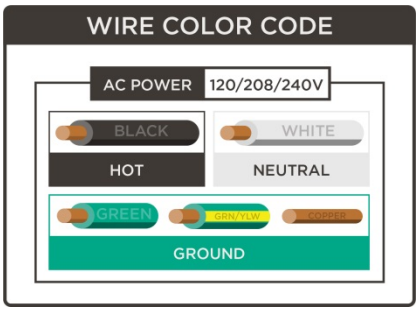
The EXC-EYM-12C-1523 from Larson Electronics is an explosion proof cord repair kit and extension cable that allows operators to repair or replace on their equipment. Utilizing this explosion proof cord repair kit can reduce repair costs and increase the efficiency of already existing equipment. The EXC-EYM-12C-1523 is available in both 1/2" and 3/4" seal off sizes to fit a variety of different equipment.

Installation

NOTE: Be sure power is off before installing!!
Cut back damaged portion of existing cord until all damage is removed before completing these connections.

We strongly encourage a licensed electrician install this product, in all locations especially in outdoor areas where weatherproofing may be required.

Secure each pair of wires according to the diagram. Utilize a junction box or similar device and take precautionary steps for weatherproofing all connections if installed in a location where water may come in contact with the unit. Take all necessary steps to ensure explosion proof status is maintained. Ensure the unit is properly grounded and that wiring is done according to all local and national electrical/building codes. Mate cord cap with compatible receptacle outputting correct voltage once installation is complete and all seals are set. See following page for specifics pertaining to the explosion proof seal fitting installation.



USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-877-348-9680 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.

EYM INSTALLATION / SEALING COMPOUND

HAZARD WARNINGS: May cause irritation to eyes and skin. Inhalation dust is considered a nuisance dust. Avoid physical contact by wearing appropriate gloves and dust goggles. If powder gets into eyes, flood immediately for 15 minutes with water. Wash hand thoroughly with soap and water after handling

Mix 2 parts Sealing Compound to 1 part clean water. Mix thoroughly. Do not mix more than can be used in 15 minutes. Use cold water as warm water accelerates set.

Vertical Installation:
Seal fitting is installed with the small access plug in the up position. Both access plugs are removed after conductors are installed. Damming fiber is installed through the lower access port into the lower portion of the fitting body. Care must be taken to insure the fiber fills all voids around each conductor, as well as between conductors and the wall of the seal fitting body. Replace the lower (large) access plug. Mix compound according to manufacturer instructions and pour through the upper (smaller) access port until compound reaches the base of the access port threads. Replace remaining plug in upper access port. Both plugs are to be made up with five threads engaged and wrench tight.

Horizontal Installation:
Seal body is installed with both access plugs in the up position. Both access plugs are removed after conductors are installed. Damming fiber is installed through the large access port into both ends of the seal fitting body to allow sealing compound to flow to the required thickness (Table A). Care must be taken to insure the fiber fills all voids around each conductor, as well as between conductors and the wall of the seal body.

Replace the small access port plug. Mix compound according to manufacturer instructions and pour through the large access port until compound reaches the base of the access port threads. Replace large plug. Both plugs are to be made up with five threads engaged and wrench tight.

Class I Group A & B Installations:

Vertical Installation:
Sealing compound is to be mixed at ambient temperature above 40°f. / 4°c. and poured into fitting with body temperature not below 40°f. / 4°c. Ambient temperature (of fitting) must not drop below 40°f. / 4°c. for 72 hours. Compound must cure for 72 hours before circuits are placed into service.

Horizontal Installation:
Sealing compound is to be mixed at room temperature, and poured into fitting at room temperature. Ambient temperature of fitting must remain at room temperature for 72 hours. Compound must cure for 72 hours before circuits are placed into service.

Class I Group C & D Installations:

Sealing compound is to be mixed at ambient temperature above 35°f. / 2°c. and poured into fitting with body temperature not below 35°f. / 2°c. Ambient temperature (of fitting) must not drop below 35°f. / 2°c. for 8 hours. Compound must cure for 8 hours before circuits are placed into service.