Larson Electronics LLC
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EXC-50-32A-IP67-309.INTL-3PH-480V-3P4W

50' 8/4 SOOW Weatherproof Extension Cord - 32A Rated, 480V 60 Hz - 3P4W Plug/Connector

Product ID: 312314



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.

EXC-50-32A-IP67-309.INTL-3PH-480V-3P4W Extension Cord
Device Series: IEC 60309 (International Standard)
Cable Length: 50'
Weight: -
Cable Type: 8/4 SOOW

Cord Cap Specs
Amperage Rating: 32A
Voltage: 480V 60 Hz
Frequency: 50/60 Hz
Phase: 3-Phase Delta
Configuration: 3P4W (3P+N+E)
# of Poles: 3-Pole
# of Wires: 4-Wire
Max Voltage Rating: -
Clock Hour: 3H
Cord Range: .437 - 1.187
Dielectric Voltage: 3000V for 1 min
# of Operations: > 1000 connects/disconnects under load, at full rated current and voltage
Minimum Withdrawal Force: 6lbs
Temperature Rise: Max +30°C at full-rated current after 50 cycles of OL at 150% rated current
Operating Temperature Range: -25°C to +65°C
Waterproof Rating: IP67, IP69K, NEMA 4X

Certifications - Compliance
Certified for United States & Canada
NRTL Certified to UL 1682, UL 1686
NRTL Certified to CAN/CSA C22.2 No 182.1
CE Certified, Low Voltage Directive 73/23/EEC
CE Certified, Low Voltage Directive 93/68/EEC
NRTL Certified to 60309-1, 60309-2
RoHS Certified
Compatible with IEC 60309 Compliant Products
IP67/IP69K Rated Weatherproof
IK07 Rated Drop Resistant
Flame Retardant (UL94 V2)
Certified for Full Load Interrupting
Current Interrupting: Certified for current interrupting at full rated current
Corrosion Resistance: Ferrous parts immersed in 20°C, 10 percent ammonium chloride solution for 10 min
Flammability: Rated V-2 per UL 94
Ingress Protection Rating: IP67/IP69K
Moisture Resistance: Immersed for 24 hours in 5cm of 25°C water per UL 1682
Crush Test: 250lbs for 1 min after -25°C for 6 hrs
Impact Resistance: Drop from 30" 8 times after conditioning to -25°C for 6 hrs
Cross Compatible: 432P3W, 432C3W

Shock Resistance: IK09

Flammability: V-2 Rated

Insulation Resistance: 500V for 1 min; >= 5M

Cable Secureness: "Force: 75lb; Torque: 0.5 ft-lb; Max Disp: <= 3/32""""

Seals: Neoprene
Material, Housing Body: Toughened PVC
Material, Housing Cover: Toughened PVC
Material, Contacts: Brass
Material, Contact Carrier: Nylon
Material, External Screws: Acid-Proof Stainless Steel
Material, Internal Screws: Zinc-plated steel

Material, Phase/Ground Sleeves: Brass

Material, Sleeve Spring: Stainless Steel

Material, Terminal Screws: Steel

Color: Red

Connector Specs

Device Series: IEC 60309 (International Standard)

Device Type: Connector

Amperage Rating: 32A

Voltage: 480V 60 Hz

Frequency: 50/60 Hz

Phase: 3-Phase Delta

Configuration: 3P4W (3P+N+E)

# of Poles: 3-Pole

# of Wires: 4-Wire

Max Voltage Rating: -

Clock Hour: 3H

Cord Range: .437 - 1.187

Dielectric Voltage: 3000V for 1 min

# of Operations: > 1000 connects/disconnects under load, at full rated current and voltage

Minimum Withdrawal Force: 6lbs

Temperature Rise: Max +30°C at full-rated current after 50 cycles of OL at 150% rated current

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Material, Phase/Ground Sleeves: Brass
Material, Sleeve Spring: Stainless Steel
Material, Terminal Screws: Steel
Color: Red

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The Larson Electronics EXC-50-32A-IP67-309.INTL-3PH-480V-3P4W is 50' Weatherproof 8/4 SOOW Extension Power Cord for industrial work

sites. This unit is compatible with 3-Phase 480V 60 Hz AC power and features an IP67 waterproof rating. Designed for rugged facilities, the extension cord is equipped with a 32-amp pin/sleeve male plug and a 32-amp pin/sleeve female connector.

The EXC-50-32A-IP67-309.INTL-3PH-480V-3P4W extension cord provides a safe and effective way for operators to extend 480V power to a variety of devices for plant maintenance, power generators, construction and other temporary applications. This unit consists of 50 feet of chemical and abrasion resistant flexible 8/4 SOOW cable that is terminated in a XLE-PA-IP67-309.INTL-3PH-32A-480V.60HZ-3P4W-P red IEC 60309, 32-amp rated 3-pole, 4-wire cord cap with a clock hour setting of 3H. The other end contains a XLE-PA-IP67-309.INTL-3PH-32A-480V.60HZ-3P4W-C 3-pole, 4-wire female connector with a clock hour setting of 3H.

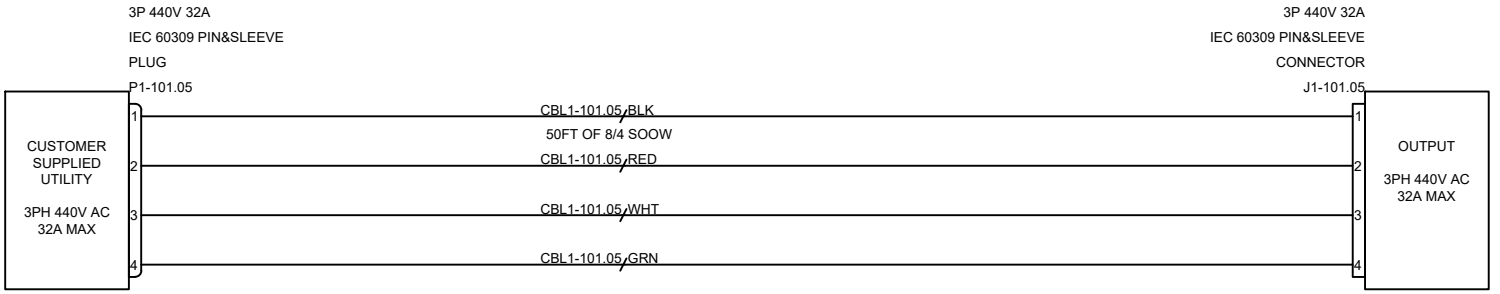
Applications: This extension cord is ideal for indoor or outdoor use and applications including but not limited to, generators, construction sites, plant maintenance, plant turnarounds, shows, exhibits, industrial equipment, uninterruptible power supplies (UPS battery backups), stage equipment, and shipyard operations. These industrial extensor cords are popularly used in applications where external power sources are often necessary. We also offer class rated extension cords for use within explosion proof and hazardous location environments.

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.

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	12-18-2024

EXC-50-32A-IP67-309.INTL-3PH-480V-3P4W

LARSON ELECTRONICS®



TAGS	QTY	CATALOG	DESCRIPTION
J1-101.05	1		IEC Pin and Sleeve Devices, Industrial Grade, Female, Connector Body, 32A 380/440V, 3-Pole 4-Wire Grounding, Terminal Screws, Red, Watertight
P1-101.05	1		Heavy Duty Products, IEC Pin and Sleeve Devices, Industrial Grade, Male, Plug, 32A 380/440V, 3-Pole 4-Wire Grounding, Terminal Screws, Red, Watertight
CBL1-101.05	1	UNV00007449	8/4 SOOW CABLE

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9419 E US HWY 175,
KEMP, TX 75143

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CHECKED BY	SHEET #	DRAWING #
	1 OF 1	101


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ELECTRONICS



Frequently Asked Questions (FAQ)