

THE COLORFUL
CONNECTORS
FROM LAPP



EPIC® POWERLOCK





Safe connections for power applications

1 Pole connector

For unshielded single core cables
from 35mm² up to 300mm²



2 Versions crimp/screw



Double screw
Screw 1000V/400A

Crimp
Crimp 1000V/660A

5 Harmonized colours

PE - green



N -
blue



L1 -
brown



L2 - black



L3 - grey



Makes up 1 powerful connector for

- Renewable energy plants e.g. Wind energy
- Mobile and stationary power distribution
- Connection of motors, transformers and generators
- Light and Sound technology

Electrical

Number of Contacts		Single Pole
Current Rating	→	400 amp or 660 amp continuous
Operating Voltage	→	1000V AC / 1500V DC
Test Voltage		4500V AC
Short Circuit Rating		16kA for 1s, 34kA peak
Insulation Resistance		>5000 Mohm
Electrical Protection	→	IP2X Finger touch protected
Contact Resistance		<0.1 mOhm

Mechanical

Contact Material	→	Brass (400 amp) or Copper (660 amp), Silver Plated
Housing Material		High Temperature Thermoplastic
Locking	→	Bayonet with secondary locking pin
Mating Cycles		500
Contact Type	→	Set Screw (400 amp) or Crimp (660 amp)
Contact to Housing Retention		Nylon Cotter Pin
Cable Retention		Cable gland nut
Vibration		10-2000Hz/15g

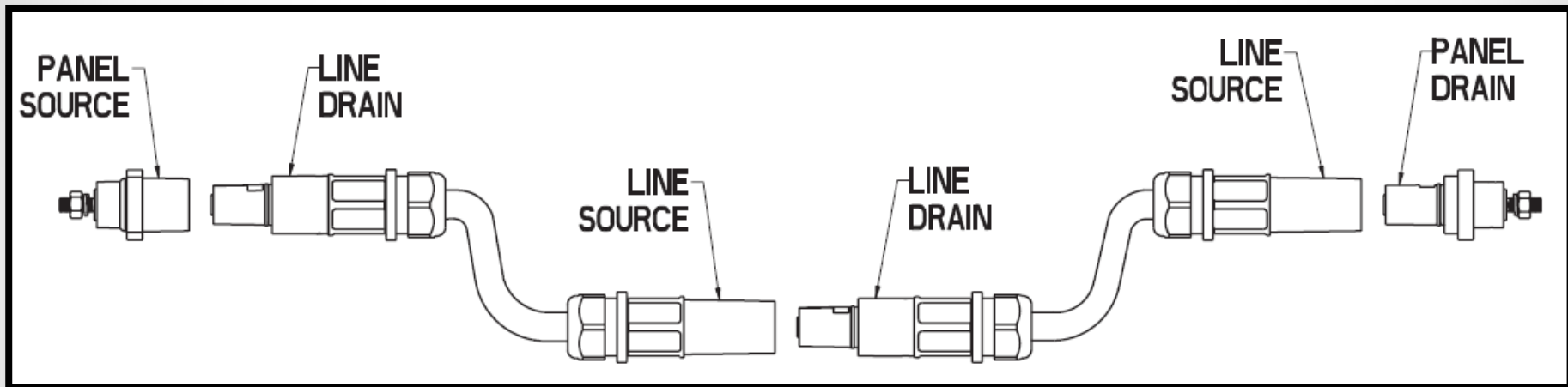
Environmental

Operating Temperature → -30°C to +125°C (-22°F to +257°F)

Ingress Protection → IP67 when mated

Flammability UL94-V0

RoHS Compliant



MALE = SOURCE
FEMALE = DRAIN

POWERLOCK BOX





**DESIGNED
FOR SAFETY**



Finger Safe Components

with a surrounding space too small to insert a finger, thus avoiding accidental shock



Key Coded Components

that prevent incorrect mating



Audible Feedback

with a "click" that lets you know the connection is secure



Locking Parts

that can only be disconnected with a tool



Spring Loaded Plastic Cap

to prevent casual contact with the electric contact

COLOR CODED



Color Coded Components

to avoid incorrect mating



IP67 Approved

to be submerged in water and handled
safely under load



Key Coded Components

that prevent incorrect mating