IP68/ NEMA 250 (6P) Sealed Power Plug and Jack

Applications:
- Outdoor power supplies where a weather resistant connection is needed
- Medical equipment where the power plug would need to be waterproof
- Lighting connections where a rugged harsh environment connector would provide the most reliable sealed connection

Key Features:
- IP rating of IP68/ NEMA 250 (6P), for properly mated Switchcraft sealed jack and plug, makes the device perfect for harsh environments
- Available in multiple pin diameters
- Automatic switch over from AC to DC permitted by sleeve shunt spring
- Optional IP rated cap (JCAP) protects Jack when not in use
- Up to 5A current rating (carry), at 65°C, up to 30 VDC
- Overmold options available
- Color coded plug finger
Sealed Power Plugs and Jacks

SOLDER LUG
- PANEL SEAL O-RING TYPICAL
- PLUG SEAL O-RING TYPICAL

STRAIGHT PC

RIGHT-ANGLE PC

OPTIONAL SEAL CAP - TYPICAL ORDERED SEPARATELY PIN: JCAP

DIMENSIONS SHOWN FOR REFERENCE ONLY. inches [mm]

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Center Pin/Jack Size</th>
<th>Terminal Type</th>
<th>Mating Power Plug</th>
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</thead>
<tbody>
<tr>
<td>L712AS</td>
<td>0.10 [2.5]</td>
<td>Solder Lugs</td>
<td>761KS12, 761KS15, 761KS17</td>
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<tr>
<td>PCL712AS</td>
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<tr>
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<td>0.08 [2.0]</td>
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<td>JCAP</td>
<td>Power Jack Seal Cap</td>
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Sealed Power Plugs and Jacks

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Switchcraft

Harsh Environment Connectivity Solutions

Made in USA

switchcraft.com
5555 N. Elston, Chicago, IL 60630
773-792-2700 - sales@switchcraft.com
Power Plug - Specifications

Features:
- IP66, IP67, IP68 / NEMA 250 (6P) when mated
- Hollow center pin available in 3 pin diameters (2.5mm, 2.1mm, 2.0mm)
- Locking ring provides security in critical applications
- Sleeve terminal serves as cord clamp
- Handle/Boot with cable strain relief
- Operating temperature range is -20°C to +65°C

Specifications:
Plug Sleeve and Pin: Plated copper alloy
Lock Ring: Plated copper alloy
Lock Ring Thread Size: 7/16-32 UN2B thread
Finger Insulator: Rigid thermoplastic
Insulating Washer: Rigid thermoplastic
Sleeve Terminal: Plated copper alloy, electro-tinned
Handle: Rigid thermoplastic overmolded with thermoplastic elastomer
Handle Thread Size: 5/16-24 UNF 2A
Electrical: Current (carry) 5A at 65˚C

Seal Cap - Specifications

Features:
- IP66, IP67, IP68 / NEMA 250 (6P) when mated

Material:
Thermoplastic Elastomer

Overmold Option

Sealed Power Plugs and Jacks

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