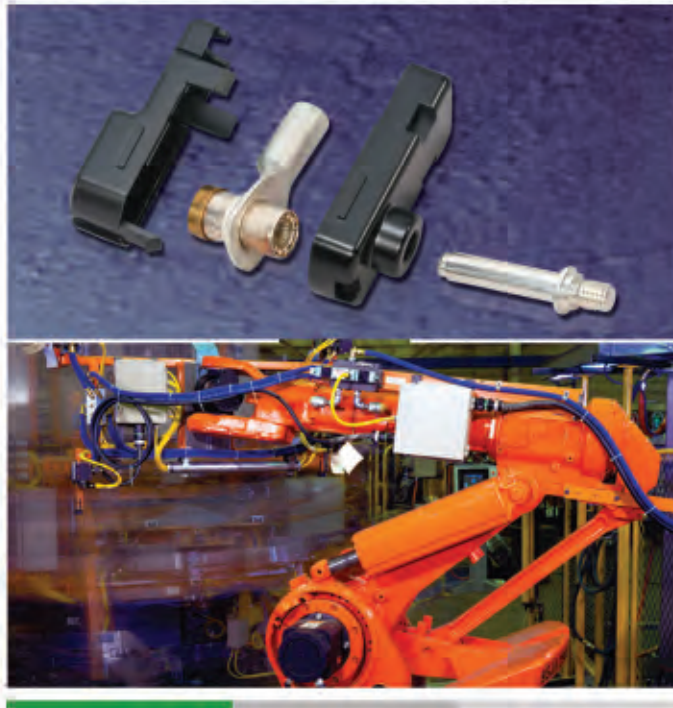


Amphenol®



Amphenol® SurLok™ Compression Lug with Plastic Housing using RADSOK® Technology

FOR POWER DISTRIBUTION APPLICATIONS

The SurLok™ non-environmental compression lug is a field installable, highly reliable alternative to common compression lugs. An industry standard U-Indent/ Clamshell or 4-indenter crimp tool may be used to perform the termination on the wire, thus eliminating the need to purchase special torque tools.

The head of the pin locks into place once mated to the RADSOK® connector. The plastic housing snaps over the connector and acts as a protective cover. The plastic housing is available for all sizes. This secure connection ensures voltage and amperage levels will be maintained throughout the duration of the application.

The RADSOK® high amperage contact technology utilizes high tensile strength properties of the stamped and formed, high conductivity alloy grid to produce the low insertion force while maintaining large conductive surface area.

Features and benefits of Amphenol's SurLok over other compression lugs:

- High current rating, high ampacity in a smaller package
- High reliability; meets or exceeds the electrical performance of bolt-on compression lugs
- Easy field install - crimp with standard color-coded dies (Udie and 4 indenter). No torque wrenches required.
- Integral locking feature plus locking cap
- RADSOK® technology boosts the ampacity by 50% or more compared to mil-spec contacts. RADSOK® contacts provide the advantages of low insertion force and high cycle durability.
- RoHS compliant



4 Sizes, 7 Ampacities

Ideal markets include Medical and Test Equipment, Process Control, Heavy Equipment and Rail. Any applications that use high current, frequently plugged & unplugged cables or a “plug and play” setup would be an ideal “fit” for the SurLok.

Technical specifications of the Amphenol Plastic Surlok :

UL listed under file UL1977

Engagement force: ~2 lbs. – 5 lbs. mating insertion and ~10 lbs. – 15 lbs. locking
Separation force: ~10 lbs. – 15 lbs.

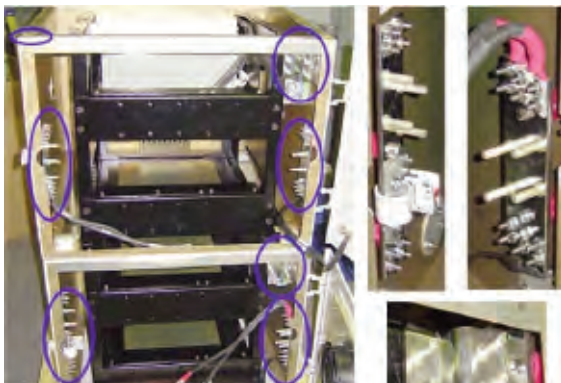
Contact surfaces are silver plated on the pin and socket.

Wire crimp barrel is matte tin per industry standards.

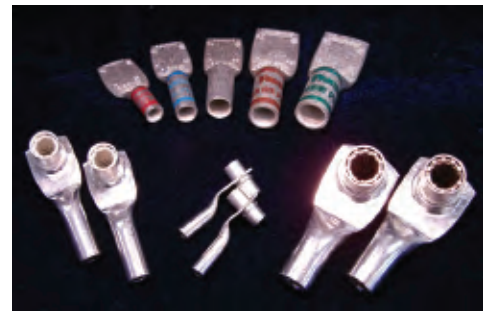
Wire Size	RADSOK Size	Current Rating	SurLok Assembly Part Number	Lug Only Part Number	Conductor Max. Dia.	Crimp Code
8 AWG	3.6mm	70 Amps	PSL-368K	PSL-368	0.17 in.	Red 21
6 AWG	5.7mm	100 Amps	PSL-576K	PSL-576	0.21 in.	Blue 24
4 AWG	5.7mm	125 Amps	PSL-574K	PSL-574	0.27 in.	Gray 29
2 AWG	8.0mm	175 Amps	PSL-802K	PSL-802	0.30 in.	Brown 33
1 AWG	8.0mm	200 Amps	PSL-801K	PSL-801	0.35 in.	Green 37
1/0 AWG	10.3mm	250 Amps	PSL-1031K	PSL-10310	0.38 in.	Pink 42
2/0 AWG	10.3mm	300 Amps	PSL-10320K	PSL-10320	0.44 in.	Black 45

Pin Dia.	Max. Current	Part Number	Thread (male)
3.6mm	70 Amps	PSLP-36	M3x0.5
5.7mm	125 Amps	PSLP-57	MSx0.8
8.0mm	200 Amps	PSLP-80	M8x1.25
10.3mm	300 Amps	PSLP-103	M10x1.5

Notes: (1) Surlok Assembly contains the wire crimp lug, plus a two-piece dielectric clamshell housing. Housing is available in black color as standard. Consult Amphenol Industrial for alternate color
(2) Lug only specifies the wire crimp RADSOK SurLok lug, less the plastic housings.



Chassis showing application of Plastic SurLok



Industry Standard Color Coding

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

For further information on your individual application requirements, contact: Amphenol Corporation

North America:
Amphenol Industrial Operations
180 N. Freeport Drive, Plant 4
Nogales, AZ 85621
Tel: (520) 285-5130
Fax: (520) 285-5134
Email: rpedrazzini@amphenol-aio.com

Europe:
Amphenol Industrial Operations Europe
Via Barbaiana 5
1-20020 Lainate (MI) Italy
Tel: +39 02 93254.204
Fax: +39 02 93254.444
Email: info@amphenol-aio.com

Middle East:
Amphenol Middle East Enterprises FZE
Office C-37 PO Box 21107
Ajman Free Zone, UAE
Tel: +9716-7422494
Fax: +9716-7422941
Email: ameezfe@eim.ae

Asia:
Amphenol Technology Shenzhen Ltd
Block 5 Fuan 2nd Industrial Park
Dayang Rd, Fuyong Baoan
Baoan, Shenzhen, China 518103
Tel: +86 755 2881 8389
Fax: +86 755 2991 8310
Email: yb.zhu@amphenol-industrial.com