



RAM-LOCK

WITH HIGH POWER CONTACTS



Amphenol's Single Pole Ram-Lock connector is a ruggedized push-pull connector designed for applications up to 500 amps

Amphenol's Ram-Lock interface is a positive locking, push-pull connector technology that is available across many different product lines. The single pole Ram-Lock design consists of high current contacts proven for use in high amperage applications. The single pole contacts used in this series come with many different options, including but not limited to crimp, busbar (lug) or threaded post.

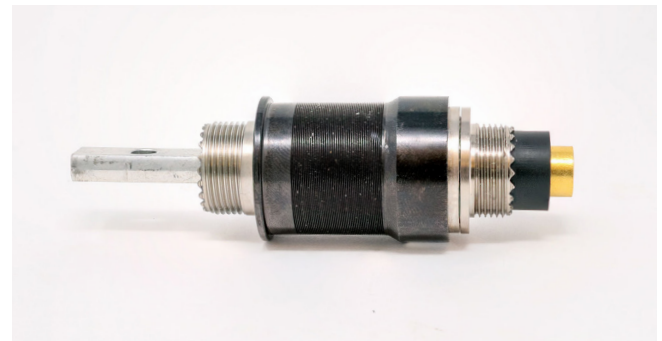
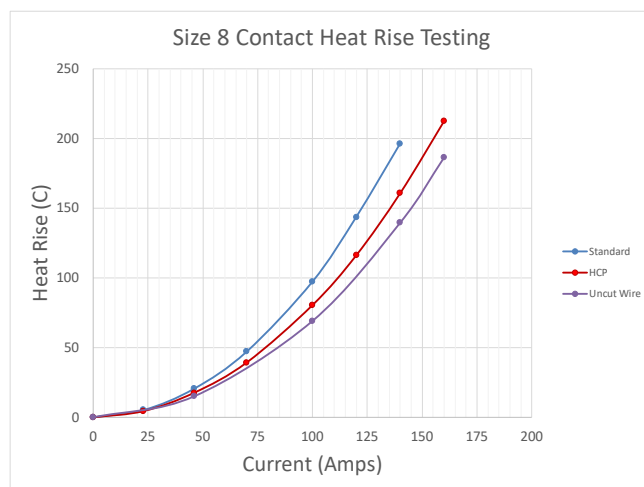
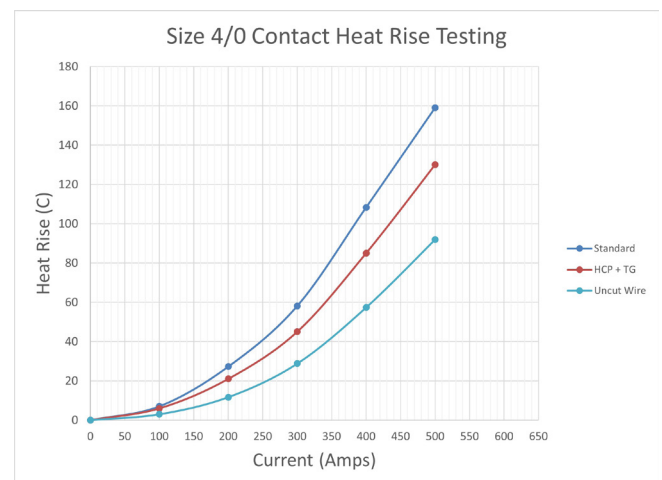
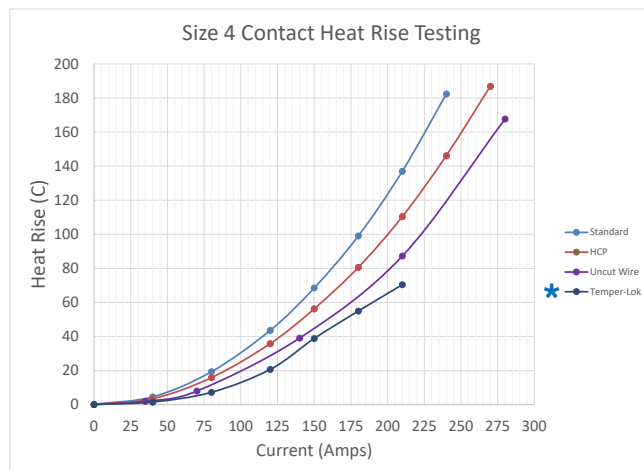
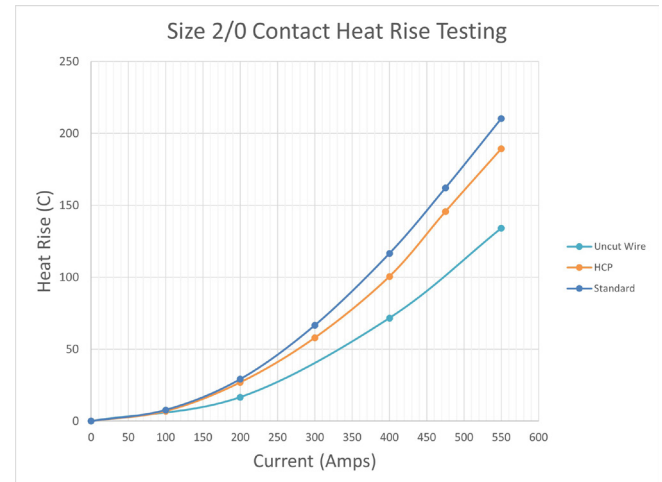
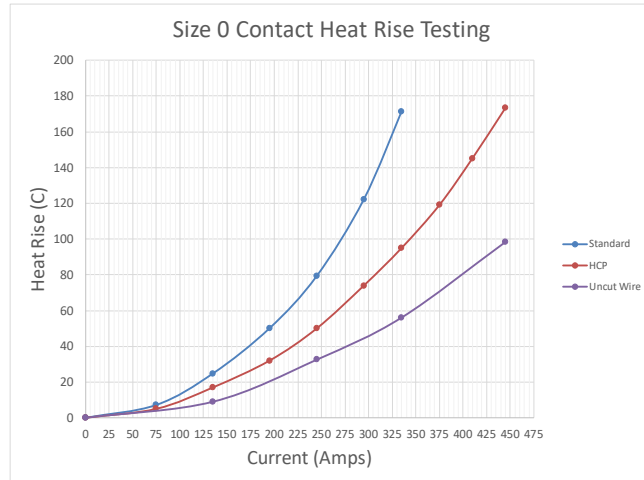
The high amperage and high-temperature contact system, known as Temper Grip, accommodates higher amperages than standard Mil-Spec contact ratings at high ambient temperatures. The high-temperature "H" class provides the user with a connector solution that can perform to the same temperature rating as high-temperature wires. Utilizing Amphenol's new contact evaluation system, we are able to precisely tell you the amperage rating of your chosen connector based on your system's ambient temperature. Radsok sockets are also available and provide higher mating cycles and lower mating forces for applications up to 257°F (125°C) operating temperatures.

FEATURES & BENEFITS:

- Capable of up to 500 amps, Ram-Lock is designed with the highest conductivity alloys available to be as close to uncut wire as possible!
- Side-by-side data available comparing to uncut wire and standard mil-spec conductors.
- Straight Plug or Right angle design is available to reduce form factor, contact Amphenol to configure termination.
- Can be packaged with Powerlug, flexible high temp wire, and flexible busbars
- Crimp, busbar/lug, male threaded post and female threaded termination available
- Utilizes Temper-Grip or Radsok contact technology, paired with High Current Pins standard
- EMI protection & full environmental sealing

RAM-LOCK WITH TEMPER-GRIP TESTING

Heat Rise: The operating sleeve of the Ram-Lock connector typically runs 15-25% cooler than the conductors inside, see example below of the size 4 AWG contact. Additional sizes can be tested by request. Data set "HCP" indicates typical heat rise of Amphenol's High Conductivity Pin when paired with Temper Grip sockets. Those come standard on Ram-Lock.



HOW TO ORDER

Complete steps 1-7 to create your part number (ex: TL06-40-WCPN)

1.	2.	3.	4.	5.	6.	7.	8.
Prefix	Shell Type	Contact Size	Service Class	Contact Termination	Contact Type	Rotation	Mod Code
TL	06	40	W	C	P	N	

1. Prefix	
TL	Ram-Lok w/ Temper Grip Contacts

2. Shell Type	
06	Plug
96	Plug w. Banding Platform
00	Square Flange
01	Line Mount
07	Jam Nut

3. Contact Size	
40	4/0 AWG
20	2/0 AWG
0	1/0 AWG
4	4 AWG
8	8 AWG
12	12 AWG

4. Service Class	
W	Aluminum, Cadmium
S	Aluminum, AP-93
Z	Aluminum, Black Zinc
T	Aluminum, Durmalon
F	Aluminum, Electroless Nickel
K	Passivated Stainless Steel
L	Nickel Plated Stainless Steel
H	500°F (260°C) capable (stainless steel)

5. Contact Termination	
C	Crimp
L	Lug
M	Male Threaded Post
F	Female Threaded Post
T	PC Tail

6. Contact Type	
P	High Current Pin (plugs) only
S	Standard Socket (receptacles) only
R	Radsok Socket (receptacles) only
T	Temper-Grip Socket (receptacles) only

7. Rotation	
N	Normal (Required)
A-E	Alternates

8. Modification Code	
LP9	90-degree backshell w/ female thread termination

