

RAPID LOCK PUSH BUTTON CABLE ASSEMBLIES

TE Connectivity's (TE) new RAPID LOCK push button cable assemblies quickly connect and disconnect are a replacement for lug applications. These solutions are used in busbar, server power, board power, and backplane power distribution applications, are reliable and offer improved serviceability compared to bolt-fitted lugs. The mating pin contacts can be attached to a busbar or PCB by screw or swage press fit and to a backplane or board by press-fit and backup screws. Service in the field is easy and by replacing power lugs fitted using nuts and bolts, this assembly offers an extremely secure interconnect mechanism with minimal risk of loose connections and arcing. The push button functionality enables installers and users to connect and disconnect the assembly without additional tools saving operators time and the end users money.

APPLICATIONS

- GPU (graphics processing unit) / JBOG (just a bunch of GPU's)
- Servers/Switch power
- Data Storage Equipment
- High Density Power Distribution
- Uninterruptible Power Supplies
- Removable Battery Packs
- Automotive Applications
- Renewable Energy Equipment
- Wireless applications – remote radio unit and baseband unit

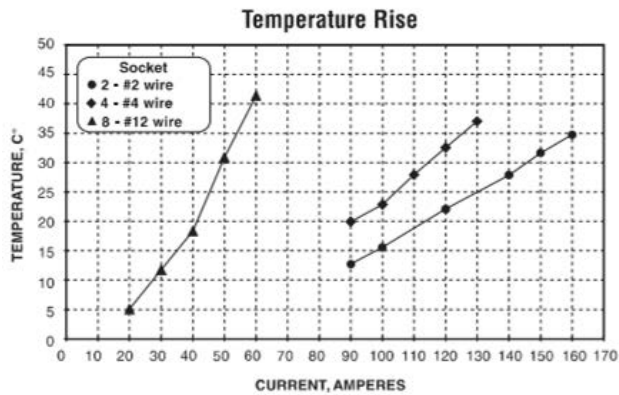
BENEFITS

- Ease of Installation - New push button release feature provides an audible "click" to indicate mating. Does not require tools to install or remove cable assembly. Quick connect and disconnect, with safety locking feature.
- Space Savings - Increased power in smaller form factors. Currents ranging from 50A to 250A.
- Product Versatility - Customizable sizing options. Ability to support custom designs for customer requirements. Industry standard crimp tooling. Available with blue, red, or black color insulators for color coding.
- Trusted RAPID LOCK Technology - The push button connector assembly expands the RAPID LOCK product portfolio.

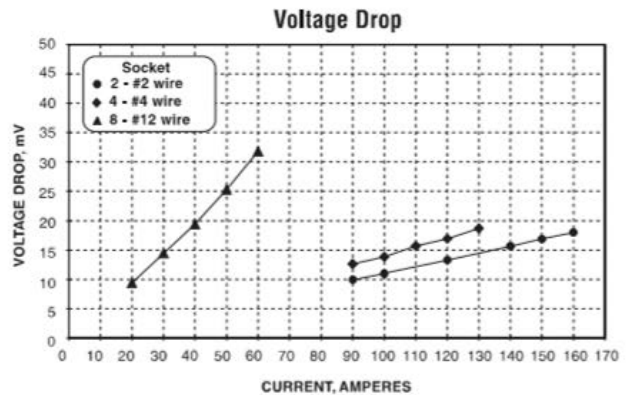
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Description	TE Part Number
Size 4 RAPID LOCK Cable Assembly	2401374-1
Size 2 RAPID LOCK Cable Assembly	2403028-1
Size 4 Dual Position RAPID LOCK Cable Assembly	2416201-1

RAPID LOCK CABLE ASSEMBLY SINGLE POSITION TEST RESULTS T-RISE DATA



Shown below is current versus temperature rise of the five different available socket sizes.



Shown below is current versus voltage drop performance of the five different available socket sizes.

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06/22