



OPEN COMPUTE PROJECT (OCP) BUS BAR CLIP AND CABLE ASSEMBLIES

Featuring CROWN CLIP Jr. and MULTI-BEAM XLE Power Connectors

TE Connectivity's (TE) Open Compute Project (OCP) bus bar clip and cable assemblies are designed to meet the OCP power distribution architecture standard to support Cubby Three-Bay Shelf for Open Rack V2 Architect. The OCP bus bar clip and cable assembly provides a simple yet customizable design that enables a standardized platform capable of efficiently distributing 120A of power per UL and CSA criteria, which offers improved electrical performance.

Efficient and Reliable Power Distribution

- Reduces the number of bus bars in a rack from three to one, saving costs and streamlining the power distribution architecture.
- Distributes up to 120A of power per UL and CSA criteria from a single bus bar to an Open Rack V2 Sled design.
- Reliable contact crimp connection helps eliminate power loss with a maximum contact resistance of 0.2 milliohms and is designed for hot-pluggable applications, which minimizes unwanted system downtime.
- Anti over-stress feature helps to ensure the contact is protected to avoid any kind of damage caused by over-deflection during mating or unmating.

Quick Installation

- CROWN CLIP Jr. connectivity is designed to connect with a system rack bus bar and allows direct hot pluggable connection to an un-insulated bus bar.
- CROWN CLIP Jr. connectors allow misalignment of +/- 0.75mm for quick connections to the bus bar.
- MULTI-BEAM XLE connectors feature a hot-pluggable three-beam contact system made from a new thicker and higher conductivity material.
- MULTI-BEAM XLE connectors feature new contact designs that allow for a greater angular misalignment between mating connectors and offers lower mating force.

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Ordering Information

TE Part Number	Description	Application
2820303-2	V2 Bus Bar Clip and Cable Assembly	Three-bay Shelf for V2 Open Rack Storage i.e. Cubby
2159562-1	MULTI-BEAM XLE Panel Mount to Press-Fit Power Cable Assembly	Power delivery to Cubby SLED, subsystems for storage, compute, etc.
2159443-1	MULTI-BEAM XLE Panel Mount to Squeeze Release	Power delivery to Cubby SLED direct or via Interposer Board, subsystems for storage, compute, etc.



V2 Bus Bar Clip and Cable Assembly



MULTI-BEAM XLE Panel Mount to Press-Fit Power Cable Assembly



MULTI-BEAM XLE Panel Mount to Squeeze Release

Additional Product Features

- High conductivity copper alloy / bifurcated contact design provides current distribution capability 120A
- Thermoplastic glass reinforced insulator materials allow for operating temperature rated -25°C to +125°C
- Multiple contact configurations to support 20A low power up to 50A higher power applications
- New contact designs allow for a greater angular mis-alignment between mating connectors and offers lower mating force
- All materials UL and CSA certified
- RoHS compliant

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Associated Products

Products	Wire Size	Current Rating	Specialty
MULTI-BEAM XLE Cable Receptacles	26-8 AWG	up to 50A	Low, high power options in same connector
ET POWER Connectors	14-10 AWG	up to 35A	Low profile
RAPID LOCK Bus Bar Connectors	12-0 AWG	50-250A	Bus bar quick connect/disconnect
High Current Universal MATE-N-LOK Connectors	30-10 AWG	up to 35A	Panel mount or free hanging versions
AMP Power Series Connectors	300MCM-0 AWG	15-275A	Single and 2 pole quick connect/disconnect
Wave Crimp Connectors	Flat Cable	40-110A	Flat



MULTI-BEAM XLE Cable Receptacles



ET Power Connectors



RAPID LOCK Bus Bar Connectors

FOR MORE INFORMATION

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