

# Off-the-Shelf (OTS) EXTreme Guardian Discrete Wire Cable Assemblies >

Off-the-Shelf (OTS) EXTreme Guardian Discrete Wire Cable Assemblies offer a range of design options and are available in 2- and 3-circuit sizes



OTS EXTreme Guardian Discrete Wire Cable Assemblies

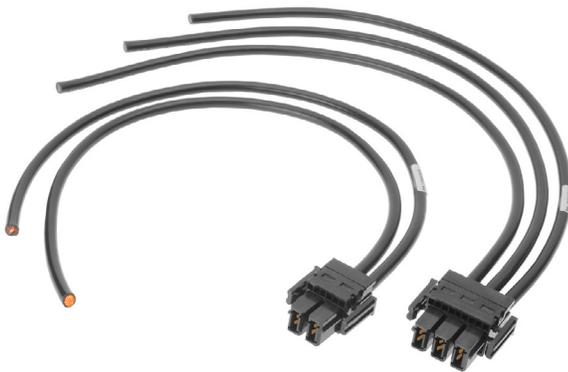
## FEATURES AND ADVANTAGES

### UL and CSA certification

Has accredited safety agency approval and meets safety requirements

### Current density up to 80.0A per inch

Provides one of the greatest current density solutions



### High temperature of 105°C power contact rating

Provides greater margin for customers' temperature designs



### Redundant contact design that handles up to 125V

Supports AC or DC high-voltage applications with the lowest feasible voltage drop and irreversible dissipative power losses

## MARKETS AND APPLICATIONS

### Aerospace and Defense Power Supplies

Uninterruptable power supplies (UPSs)

### Automotive

Electric vehicles

### Data Communication Equipment

High-end servers

### Telecommunications

Cellular base stations

Hubs

Servers

Routers

Switches



Electric Vehicle



Cellular Base Station



High-End Servers

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## SPECIFICATIONS

### REFERENCE INFORMATION

Packaging: Tray  
 UL File No.: E29179\*  
 Designed In: Millimeters  
 RoHS: Yes  
 Halogen Free: No  
 Glow Wire Capable: No

### ELECTRICAL

Voltage (max.): 600V  
 Current (max.): 80.0A  
 Contact Resistance (max.): 0.75 milliohms/blade  
 Dielectric Withstanding Voltage: 2200V AC  
 Insulation Resistance (min.): 5000 Megohms

\*The specification given is based on the connector

### MECHANICAL

Contact Retention to Housing (min.): 0.75kg  
 Insertion Force to PCB (max.): 8.5kg/pin  
 Mating Force: 1.3kg/circuit max.  
 Unmating Force (min.): 0.3kg  
 Durability (min.): 25 cycles

### PHYSICAL

Housing: PBT  
 Contact: Copper Alloy  
 Contact Area—Gold  
 Material-Plating Termination—Tin  
 Operating Temperature: -20 to +105°C

## ORDERING INFORMATION

Series No.	Component	Type	Circuits	Lengths
<a href="#">218056</a>	EXTreme Guardian	R-R, R-Blunt Cut	2 and 3	500.00mm, 1M, 2M
<a href="#">218057</a>				

[www.molex.com/link/otscableassemblies.html](http://www.molex.com/link/otscableassemblies.html)