

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

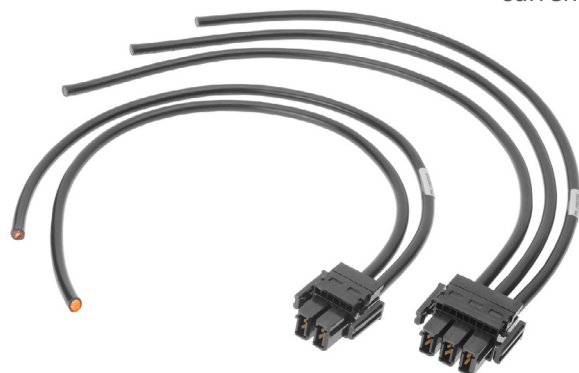
FEATURES AND ADVANTAGES

UL and CSA certification

Has accredited safety agency approval and meets safety requirements

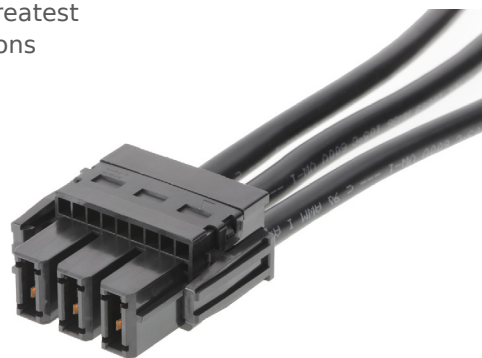
Current density up to 80.0A per inch

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



OTS EXTreme Guardian Discrete Wire Cable Assemblies

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

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

**The specification given is based on the connector*

ORDERING INFORMATION

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

www.molex.com/link/otscableassemblies.html