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Part Number: [0451420310](#)
Status: **Active**
Overview: [MultiCat Power Connectors with Precision-Machined Contacts](#)
Description: MultiCat-to-MultiCat High-Power Off-the-Shelf (OTS) Cable Assembly, Male, Single Row, 1.0m Length, 8 AWG, 3 Circuits, Key A, Black

Documents:

3D Model	Datasheet (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Drawing (PDF)	

General

Product Family	Cable Assemblies
Series	45142
Application	Power, Wire-to-Wire
Assembly Configuration	Dual Ended Connectors
Connector to Connector	MultiCat-to-MultiCat
Overmolded	No
Overview	MultiCat Power Connectors with Precision-Machined Contacts
Product Name	MultiCat
Type	Discrete Wire Assembly, High Reliability Assembly
UPC	191128292511

Physical

Cable Length	1.0m
Circuits (Loaded)	3
Color - Resin	Black
Gender	Male-Male
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold over Nickel Phosphorus
Material - Plating Termination	Gold
Material - Resin	PEI
Net Weight	334.700/g
Number of Rows	1
Packaging Type	Bag
Pitch - Mating Interface	7.40mm
Plating min - Mating	0.100µm
Plating min - Termination	0.200µm
Single Ended	No
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	4.03mm-5.84mm
Wire Size AWG	8
Wire/Cable Type	UL 10669

Electrical

Current - Maximum per Contact	40.0A
Voltage - Maximum	1000V AC

Material Info

Engineering Number	KAB2546L1V01
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Reference - Drawing Numbers

Sales Drawing	451420301-000
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant with Exemption 6(c)

REACH SVHC

Contained Per -
D(2021)4569-DC (8
July 2021)

Lead

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

50 Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

[45142 Series](#)

Mates With

MultiCat High-Power Inline Receptacle
Housing [2018410030](#) , [2018410130](#)

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