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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:**

<a href="#">3D Model</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Drawing (PDF)</a>	

**General**

Product Family	Cable Assemblies
Series	<a href="#">45142</a>
Application	Power, Wire-to-Wire
Assembly Configuration	Dual Ended Connectors
Connector to Connector	MultiCat-to-MultiCat
Overmolded	No
Overview	<a href="#">MultiCat Power Connectors with Precision-Machined Contacts</a>
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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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

Lead

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

50 Image

Not Relevant

Not Contained

**Search Parts in this Series**

[45142 Series](#)

**Mates With**

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

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