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**Part Number:** **0451420410**  
**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, 4 Circuits, Key A, Black

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[3D Model \(PDF\)](#) [Product Literature \(PDF\)](#)  
[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	<a href="#">MultiCat Power Connectors with Precision-Machined Contacts</a>
Product Name	MultiCat
Type	High Reliability Assembly
UPC	191128292573

**Physical**

Cable Length	1.0m
Circuits (Loaded)	4
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	445.700/g
Number of Rows	1
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	KAB2549L1V01
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**Reference - Drawing Numbers**

Sales Drawing	451420401-000
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*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Contained Per - ECHA\_01\_2020 (16 January 2020)

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 [201841](#)

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