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Part Number: **0451420303**
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, 300.00mm Length, 16 AWG, 3 Circuits, Key A, Black

Documents:

[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

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 Literature Order No	987651-6143
Product Name	MultiCat
Type	High Reliability Assembly
UPC	191128292542

Physical

Cable Length	300.00mm
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 over Nickel
Material - Resin	PEI
Net Weight	43.370/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	2.36mm-2.59mm
Wire Size AWG	16
Wire/Cable Type	UL 1199

Electrical

Current - Maximum per Contact	10.0A
Voltage - Maximum	1000V AC

Material Info

Engineering Number	KAB2548L0.3V01
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Reference - Drawing Numbers

Sales Drawing	451420301-000
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EU ELV

Not Reviewed

EU RoHS

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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China ROHS

Not Reviewed

ELV

Not Reviewed

RoHS Phthalates

Not Reviewed

Search Parts in this Series

45142 Series

Mates With

MultiCat High-Power Inline Receptacle Housing [201841](#)

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