

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0451410401](#)

Status: **Active**

Overview: [MultiCat Power Connectors with Precision-Machined Contacts](#)

Description: MultiCat-to-MultiCat High-Power Off-the-Shelf (OTS) Cable Assembly, Female, Single Row, 300.00mm Length, 8 AWG, 4 Circuits, Key A, Black

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[3D Model \(PDF\)](#)

[Datasheet \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Cable Assemblies
Series	45141
Application	Power, Wire-to-Board, 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	191128292443

Physical

Cable Length	300.00mm
Circuits (Loaded)	4
Color - Resin	Black
Gender	Female-Female
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	155.300/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

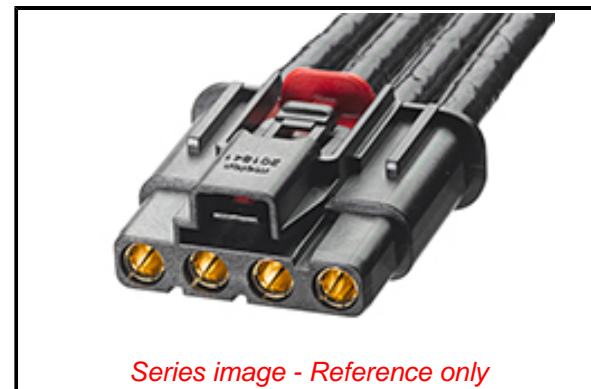
Current - Maximum per Contact	40.0A
Voltage - Maximum	1000V AC

Material Info

Engineering Number: KAB2543L0.3V01

Reference - Drawing Numbers

Sales Drawing: 451410401-000



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

[45141 Series](#)

Mates With

MultiCat High-Power Inline Plug Housing [2018400040](#) , MultiCat High-Power Header [2018431040](#) , [2018421040](#)

This document was generated on 09/09/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION