



**Part Number :** [451410310](#)

**Product Description :** MultiCat-to-MultiCat High-Power Off-the-Shelf (OTS) Cable Assembly, Female, Single Row, 1.0m Length, 8 AWG, 3 Circuits, Key A, Black

**Series Number :** 45141

**Status :** Active

**Product Category :** Power and Signal Cable Assemblies

**Engineering Part Number :** KAB2540L1V01

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## Documents and Resources

### Drawings

[451410310 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)


[SOLIDWORKS](#)

[Creo](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Lead per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

### Compliance Statements

- EU RoHS

- REACH SVHC
- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

Status	Active
Category	Power and Signal Cable Assemblies
Series	45141
Description	MultiCat-to-MultiCat High-Power Off-the-Shelf (OTS) Cable Assembly, Female, Single Row, 1.0m Length, 8 AWG, 3 Circuits, Key A, Black
Application	Power, Wire-to-Board, Wire-to-Wire
Assembly Configuration	Dual Ended Connectors
Connector to Connector	MultiCat-to-MultiCat
Product Name	MultiCat
Type	Discrete Wire Assembly, High Reliability Assembly
UPC	191128291590

### Electrical

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

### Physical

Cable Length	1.0m
Circuits (Loaded)	3
Circuits (maximum)	3
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	Polyetherimide (PEI)
Net Weight	333.500/g
Number of Rows	1
Overmolded	No
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/Cable Type	UL 10669
Wire Size (AWG)	8

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
MultiCat High-Power Inline Plug Housing, 3 Circuits, Black, Key A	<u><a href="#">2018400030</a></u>
MultiCat High-Power Vertical Header, 3 Circuits, Key A, Black	<u><a href="#">2018421030</a></u>
MultiCat High-Power Right-Angle Header, 3 Circuits, Key A, Black	<u><a href="#">2018431030</a></u>

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