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Part Number: [0451410410](#)
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, 1.0m Length, 8 AWG, 4 Circuits, Key A, Black

Documents:

| | |
|--------------------------------|--|
| 3D Model | Datasheet (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |
| 3D Model (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 |
| Taxonomy | Power and Signal Cable Assembl |
| Type | Discrete Wire Assembly, High Reliability Assembly |
| UPC | 191128292450 |

Physical

| | |
|--------------------------------|-----------------------------|
| Cable Length | 1.0m |
| 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 | 443.700/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 | KAB2543L1V01 |
|--------------------|--------------|

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(2022)4187-DC (10
June 2022)

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](#)

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