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**Part Number:** [0451410310](#)

**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, 3 Circuits, Key A, Black

**Documents:**

[3D Model](#)

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

[Drawing \(PDF\)](#)

[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               | <a href="#">MultiCat Power Connectors with Precision-Machined Contacts</a> |
| Product Name           | MultiCat   |
| Type                   | Discrete Wire Assembly, High Reliability Assembly                          |
| UPC                    | 191128291590   |

**Physical**

|                                |                             |
|--------------------------------|-----------------------------|
| Cable Length                   | 1.0m                        |
| Circuits (Loaded)              | 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               | PEI                         |
| Net Weight                     | 333.500/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: KAB2540L1V01

**Reference - Drawing Numbers**

Sales Drawing: 451410301-000



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Contained Per - D(2020)9139-DC (19 Jan 2021)

Lead

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

50 Image

Not Relevant

Not Contained

**Search Parts in this Series**

[45141 Series](#)

**Mates With**

MultiCat High-Power Inline Plug Housing [2018400030](#) , MultiCat High-Power Header [2018431030](#) , [2018421030](#)

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