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**Part Number:** [1205010002](#)  
**Status:** **Active**  
**Overview:** Brad M12 Power Connector System  
**Description:** Brad M12 Power Double-Ended Cordset, 4 Poles, Female (90°) to Male (Straight), F-Coded, 14 AWG, TC-ER (K18) Cable, 1.0m (3.78') Length

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-120500-001-001 \(PDF\)](#)

**General**

Product Family	Industrial Cordsets
Series	<a href="#">120501</a>
Application	Power
Connector End A	Ultra-Lock (M12)
Connector End B	Ultra-Lock (M12)
IP Rating	IP67
Material - Contact	Copper Alloy
Overview	<a href="#">Brad M12 Power Connector System</a>
Product Name	Brad M12 Power
Protocol	N/A
Type	Double Ended
UPC	78172541840

**Physical**

Cable Diameter	17.53-22.35mm (.690-.880")
Cable Length	1.0m (3.28')
Color - Cable Jacket	Black
Coupling Style	Push to Lock
Gender	Female-Male
Keyway	F-coded
Material - Cable Jacket	TPE
Material - Connector Body	Nickel-plated Brass
Material - Coupling Nut	Nickel-plated Brass
Material - O-Ring	Fluoro-elastomer
Material - Plating Mating	Gold over Nickel
Orientation	90° to Straight
Poles	4
Temperature Range - Operating	-20°C to +90°C
Wire Size AWG	14
Wire/Cable Type	TC-ER

**Electrical**

Current - Maximum per Contact	16.0A
Voltage - Maximum	300V AC/DC

**Material Info**

Engineering Number	FFP4031K18M010
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**Reference - Drawing Numbers**

Product Specification	PS-120500-001-001
Sales Drawing	SD-120501-002

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Not Contained Per - ED/108/2014 (17 Dec 2014)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	50 Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

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[120501](#) Series

**Mates With**

Brad M12 F-Coded Power Receptacles  
[120502](#)

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