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PSF-402 Patch Cable 4.3-10 Male to 4.3-10 Male Low PIM 50cm

SKU
IBC-PT-00089
MPN
CA-R402-431431.050
Barcode
9337692002816

Description

The PSF-402 Patch Cable by Powertec is a 50cm coaxial cable featuring 4.3-10 Male connectors on both ends, designed for RF applications needing low Passive Intermodulation (PIM). The cable, part number CA-R402-431431.050, is made from Powertec's PSF-402 series, known for its balance of performance and cost-effectiveness. This 0.141" semi-flexible coaxial cable supports frequencies up to 34 GHz and is microwave-grade with mode-free operation, making it ideal for component interconnection.

Its construction includes a tin-soaked copper braid offering near 100% RF shielding, ensuring high performance with minimal signal loss. The cable's 4.2mm bright blue outer jacket is malleable, reducing solder joint failures and permitting immediate bends behind the fillet. It can endure over 500 mating cycles, ensuring longevity and reliability in demanding environments.

The PSF-402 Patch Cable is compliant with ISO 9001 and RoHS standards, reflecting...

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Powertec

Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

RF Specification

Start Frequency

0 GHz

PIM, 3rd Order

-155 dBc

Stop Frequency

6 GHz

VSWR Measurement

Frequency VSWR

3000 MHz $\leq 1.2:1$

6000 MHz $\leq 1.5:1$

Physical Specification

Subtype

[Patch Cable](#)

Mating Cycles

> 500

Compliance/Certifications

ISO 9001 Quality Management

,

RoHS

Length

0.5 m

Weight

63 g

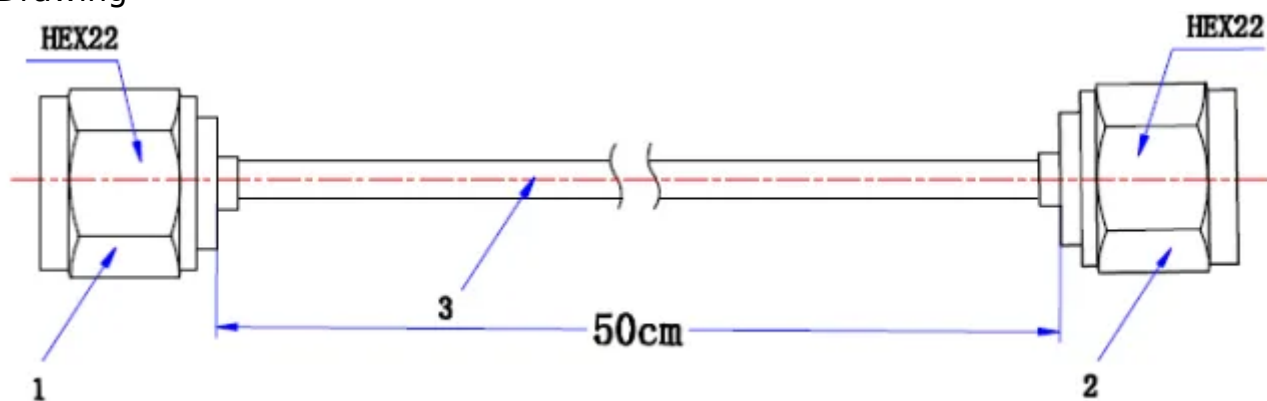
RF Connectors

RF Interface Body Shape Mounting

4.3-10 Male Straight Free Hanging

4.3-10 Male Straight Free Hanging

Drawing



PSF-402

Min. Frequency

0 GHz

Impedance

50 Ω

Min. Bend Radius Static

8 mm

Min. Bend Radius Dynamic

40 mm

Max. Frequency

34 GHz

Shielding Effectiveness

> 110 dB

Colour

Blue

Cable Layers

Layer	Diameter	Materials
Inner Conductor	0.93 mm	Silver Plated Copper (SC)
Dielectric	3.00 mm	PTFE / Teflon
Outer Conductor	3.52 mm	Tin Soaked Copper Braid
Outer Jacket	4.20 mm	Polyolefin LSZH

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