

Page



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## **RG-402 Patch Cable 4.3-10 Male to 4.3-10 Male Low PIM 30cm**

SKU  
IBC-PT-00088  
MPN  
CA-R402-431431.030

### **Description**

The RG-402 Patch Cable (SKU: IBC-PT-00088) is a high-performance RF cable from Powertec, featuring 4.3-10 Male connectors at both ends. With a length of 30 cm, this cable utilises Powertec's PSF-402, a 0.141" Semi-Flexible, low-loss coaxial cable with a distinctive blue 4.2 mm outer jacket. Capable of supporting frequencies up to 34 GHz, the PSF-402 series offers an excellent balance of performance and cost, ideal for component interconnection.

This cable provides superior shielding with a tin-soaked copper braid and a malleable outer jacket that prevents solder joint failures. Its low PIM rating of -155 dBc and ability to withstand over 500 mating cycles ensure reliable performance. The declared operational frequency range is 0 to 6 GHz, offering mode-free operation up to 34 GHz.

Engineered for durability and precision, it achieves a VSWR of  $\leq 1.2:1$  at 3000 MHz and  $\leq 1.5:1$  at 6000 MHz, making it suitable for demanding RF applications...

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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

Length

0.3 m

Weight

58 g

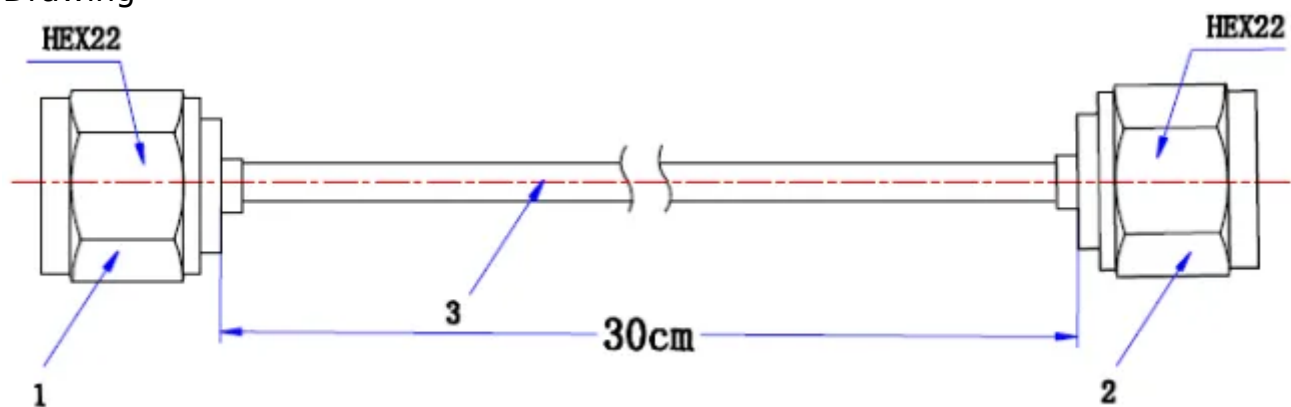
## RF Connectors

### 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  $\Omega$

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	<a href="#">Silver Plated Copper (SC)</a>
Dielectric	3.00 mm	<a href="#">PTFE / Teflon</a>
Outer Conductor	3.52 mm	<a href="#">Tin Soaked Copper Braid</a>
Outer Jacket	4.20 mm	<a href="#">Polyolefin LSZH</a>

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