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## **RG-402 Patch Cable 4.3-10 Male to SMA Male, 20cm**

SKU  
IBC-PT-00044  
MPN  
CA-R402-431SA1.020  
Barcode  
9337692001796

## Description

The RG-402 Patch Cable, 4.3-10 Male to SMA Male, 20 cm (SKU: IBC-PT-00044), is a high-performance RF cable developed by Powertec, part number CA-R402-431SA1.020. This cable features the PSF-402 design, a semi-flexible, low-loss coaxial cable with a 4.2 mm bright blue outer jacket, supporting frequencies up to 34 GHz. It effectively balances performance and cost, making it ideal for RF applications requiring reliable connectivity.

The PSF-402's 0.141" semi-flexible construction offers hand-formability and microwave-grade performance, with mode-free operation up to 34 GHz. Its tin-soaked copper braid ensures nearly 100% RF shielding, while the malleable outer jacket minimizes solder joint failures and allows for tight bends. This coaxial cable is designed for over 500 mating cycles, with a declared frequency range from 0 GHz to 6 GHz.

One end of the cable features a 4.3-10 Male connector, and the other end has an SMA Male connector, both...

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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

Stop Frequency

6 GHz

## Physical Specification

Subtype

[Patch Cable](#)

Mating Cycles

> 500

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Length

0.2 m

Weight

55 g

# RF Connectors

## RF Interface Body Shape Mounting

[4.3-10 Male](#)   [Straight](#)   [Free Hanging](#)

[SMA 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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