

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

SKU: IBC-PT-00067

MPN: CA-R402-431SA1.050

Barcode: 9337692002311

## Description

The PSF-402 Patch Cable, featuring a 4.3-10 Male to SMA Male configuration, is a high-performance RF cable designed by Powertec, part number CA-R402-431SA1.050. This 50 cm cable is part of the PSF-402 series, known for its 0.141" semi-flexible low-loss coaxial design, and is equipped with a 4.2 mm bright blue outer jacket. It supports frequencies up to 34 GHz, making it ideal for efficient RF component interconnections.

This cable stands out for its hand-formable nature, excellent shielding, and very low Passive Intermodulation (PIM), thanks to its tin-soaked copper braid that provides nearly 100% RF shielding. The malleable jacket reduces the risk of solder joint failures, allowing for bends immediately behind the fillet. Available in various colours, it aids in the easy identification of radio chains.

The PSF-402 Patch Cable is built to endure over 500 mating cycles and operates effectively within a frequency range of 0 to 6 GHz. It...

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## RF Specification

Start Frequency:   
WIRELESS TECHNOLOGY

**Powertec**  
0 GHz

Stop Frequency:

6 GHz

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 ...

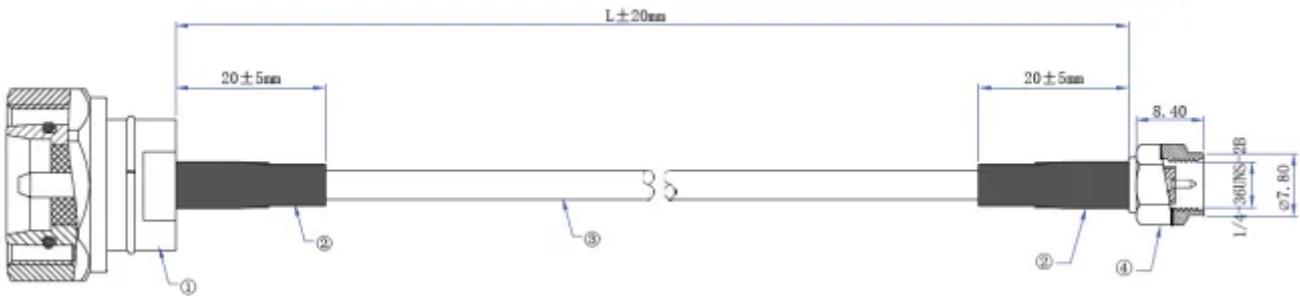
# Physical Specification

Subtype:	Patch Cable	Length:	0.5 m
Mating Cycles:	> 500	Weight:	63 g
Compliance/Certifications:	ISO 9001 Quality Management		
RoHS			

## 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	Max. Frequency:	34 GHz
Impedance:	50	Shielding Effectiveness:	> 110 dB
Min. Bend Radius Static:	8 mm	Colour:	Blue
Min. Bend Radius Dynamic:	40 mm		

## 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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