

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

SKU: IBC-PT-00070

MPN: CA-R402-432SA1.050

Barcode: 9337692001734

## Description

The PSF-402 Patch Cable, part number CA-R402-432SA1.050, is a high-performance RF cable developed by Powertec. This cable features a PSF-402 type, 0.141" semi-flexible design, offering a balance of performance and cost efficiency. With a bright blue 4.2 mm outer jacket, it supports frequencies up to 34 GHz, making it ideal for component interconnections.

The cable's structure includes a tin-soaked copper braid, providing nearly 100% RF shielding, and a malleable outer jacket to prevent solder joint failures, allowing for bends directly behind the fillet. It measures 50 cm in length and weighs 63 grams. The patch cable is designed to endure over 500 mating cycles within an operating frequency range of 0 GHz to 6 GHz.

Connectivity is provided by a 4.3-10 Female connector on one end and an SMA Male connector on the other, both featuring straight body shapes and free-hanging mounting styles. The cable offers a VSWR of  $\leq 1.5:1$  at 6000 MHz...

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# RF Specification

Start Frequency: 0 GHz Stop Frequency: 6 GHz

## VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.5:1

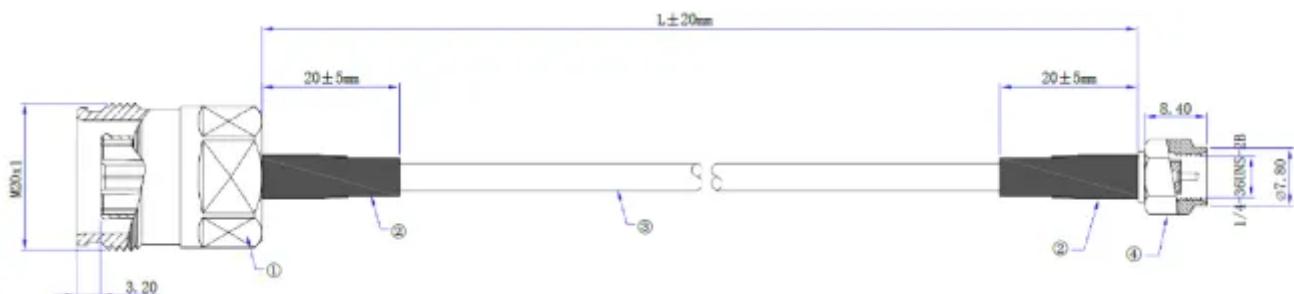
## Physical Specification

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 Female	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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