

# PSF-402 Patch Cable 4.3-10 Female to SMA Male 30cm

SKU: IBC-PT-00069

MPN: CA-R402-432SA1.030

Barcode: 9337692001994

## Description

The PSF-402 Patch Cable by Powertec (SKU: IBC-PT-00069, Part Number: CA-R402-432SA1.030) is a high-performance RF coaxial cable, ideal for component interconnections requiring reliable and low-loss signal transmission. This 0.141" semi-flexible cable features a bright blue 4.2 mm outer jacket, providing excellent shielding with its tin-soaked copper braid. It supports frequencies up to 34 GHz, making it an efficient choice for applications balancing performance and cost.

Measuring 30 cm in length and weighing 58 g, the cable is designed to endure over 500 mating cycles, with an operational frequency range from 0 to 6 GHz. Its flexible nature allows for easy forming and immediate bends behind the fillet, reducing the likelihood of solder joint failures. The PSF-402 series offers variations in different colours for easy identification of radio chains.

The cable is equipped with a 4.3-10 Female connector on one end and an SMA Male connector...

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# RF Specification

Start Frequency: 0 GHz Stop Frequency: 6 GHz

## VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.5:1

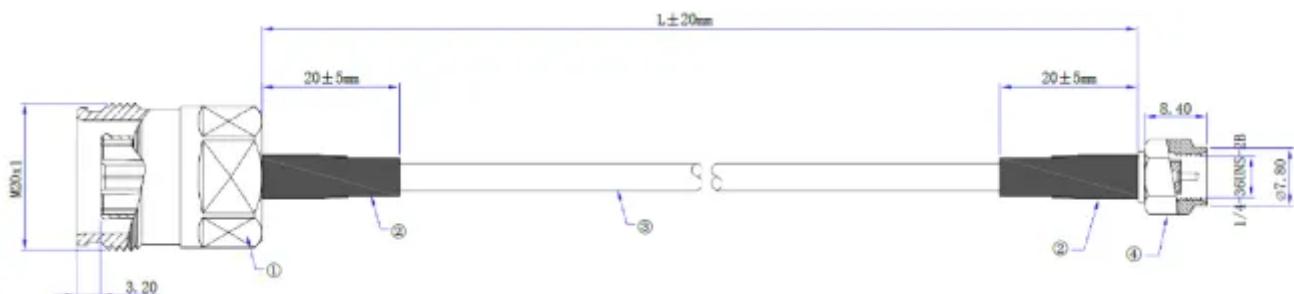
## Physical Specification

Subtype:	Patch Cable	Length:	0.3 m
Mating Cycles:	> 500	Weight:	58 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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