

# RG-402 Patch Cable SMA Female to QMA Male Right Angle 50cm

SKU: ACC-PT-00366

MPN: CA-R402-SA2QA1RA.050

Barcode: 9337692002564

## Description

The RG-402 Patch Cable, model ACC-PT-00366 by Powertec, is a high-performance coaxial connector designed for efficient RF applications. With a length of 50 cm and weighing 63 grams, this cable features an SMA Female connector with a straight body and a QMA Male connector with a right-angle body. The cable's PSF-402 type, a 0.141" semi-flexible low loss coaxial cable, is designed with a bright blue 4.2 mm outer jacket, enabling use in applications up to 34 GHz.

The PSF-402 series offers hand-formable, microwave-grade flexibility with mode-free operation. It ensures excellent RF shielding, thanks to its tin-soaked copper braid, and eliminates solder joint failures due to its malleable jacket. This cable supports a frequency range of 0 to 6 GHz and has a 3rd Order PIM rating of -120 dBc. It withstands over 500 mating cycles, making it durable for repeated use.

Performance is highlighted by a VSWR of  $\leq 1.2:1$  at 3000 MHz and  $\leq 1.5:1$  at 6000...

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# RF Specification

Start Frequency:	0 GHz	Stop Frequency:	6 GHz
PIM, 3rd Order:	-120 dBc		

## VSWR Measurement

Frequency	VSWR
3000 MHz	≤ 1.2:1
6000 MHz	≤ 1.5:1

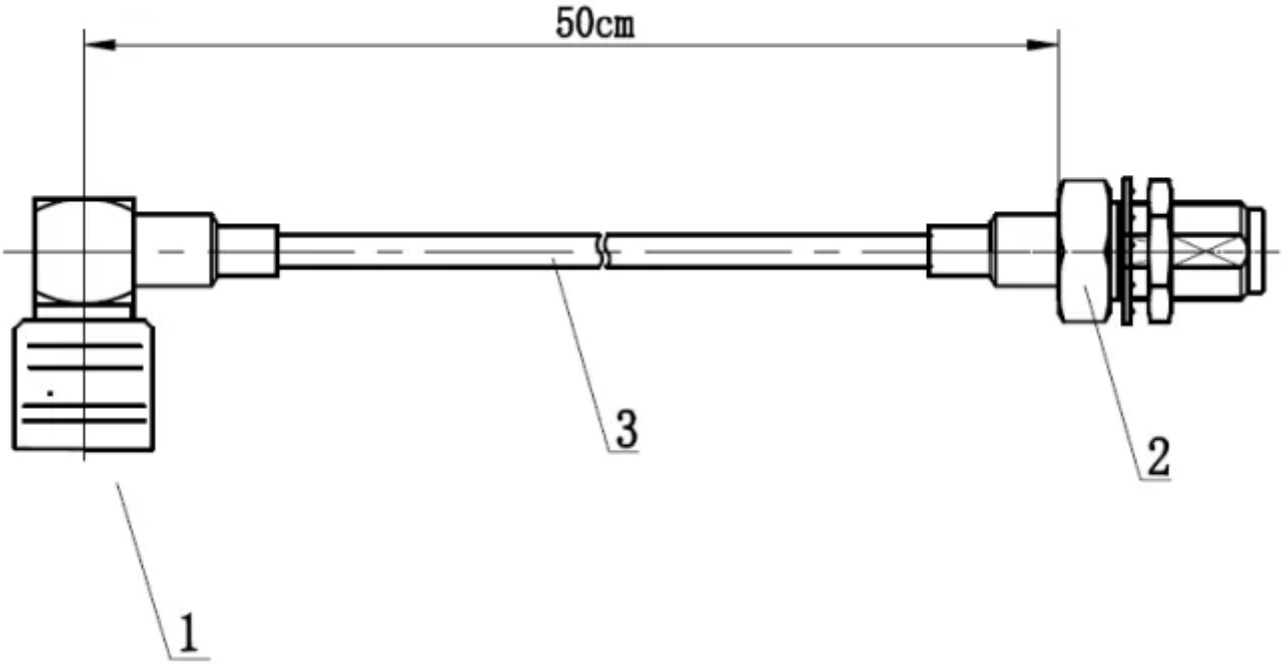
# Physical Specification

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
SMA Female	Straight	Bulkhead
QMA Male	Right Angle	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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