

# 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

|   |  |   |
|---|--|---|
| <p>Start Frequency: </p> <p>VSWR Measurement</p> | <p><b>Powertec</b><br/>0 GHz</p> <p><small>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 ...</small></p> <p><b>Frequency</b><br/>6000 MHz</p> | <p>Stop Frequency: 6 GHz</p> <p><b>VSWR</b><br/>≤ 1.5:1</p> |
|---|--|---|

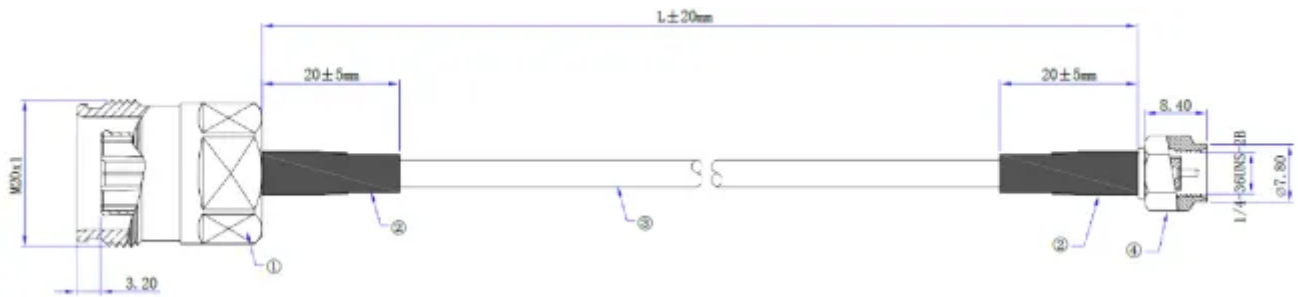
# Physical Specification

|                            |                             |         |       |
|----------------------------|-----------------------------|---------|-------|
| 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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