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# 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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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 ...

## RF Specification

Start Frequency
0 GHz
Stop Frequency
6 GHz

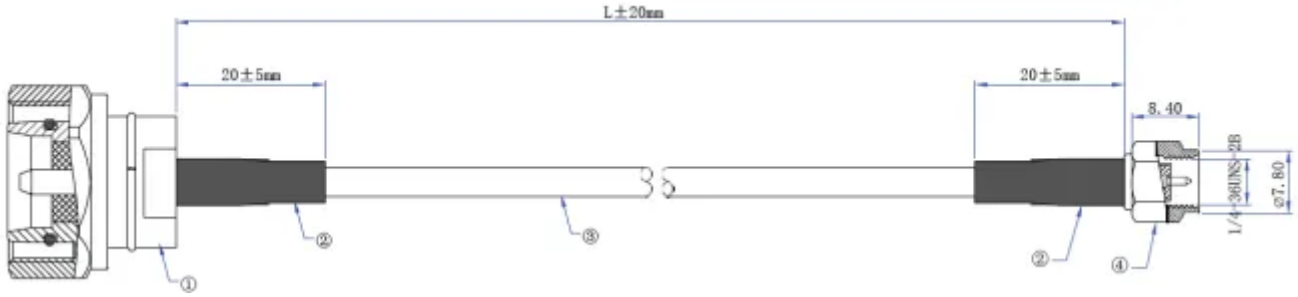
## Physical Specification

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

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