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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

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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