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PSF-402 Patch Cable 4.3-10 Female to SMA Male 50cm

SKU
IBC-PT-00070
MPN
CA-R402-432SA1.050
Barcode
9337692001734

Description

The PSF-402 Patch Cable, part number CA-R402-432SA1.050, is a high-performance RF cable developed by Powertec. This cable features a PSF-402 type, 0.141" semi-flexible design, offering a balance of performance and cost efficiency. With a bright blue 4.2 mm outer jacket, it supports frequencies up to 34 GHz, making it ideal for component interconnections.

The cable's structure includes a tin-soaked copper braid, providing nearly 100% RF shielding, and a malleable outer jacket to prevent solder joint failures, allowing for bends directly behind the fillet. It measures 50 cm in length and weighs 63 grams. The patch cable is designed to endure over 500 mating cycles within an operating frequency range of 0 GHz to 6 GHz.

Connectivity is provided by a 4.3-10 Female connector on one end and an SMA Male connector on the other, both featuring straight body shapes and free-hanging mounting styles. The cable offers a VSWR of $\leq 1.5:1$ at 6000 MHz...

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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

VSWR Measurement

Frequency VSWR

6000 MHz $\leq 1.5:1$

Physical Specification

Subtype

[Patch Cable](#)

Mating Cycles

> 500

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

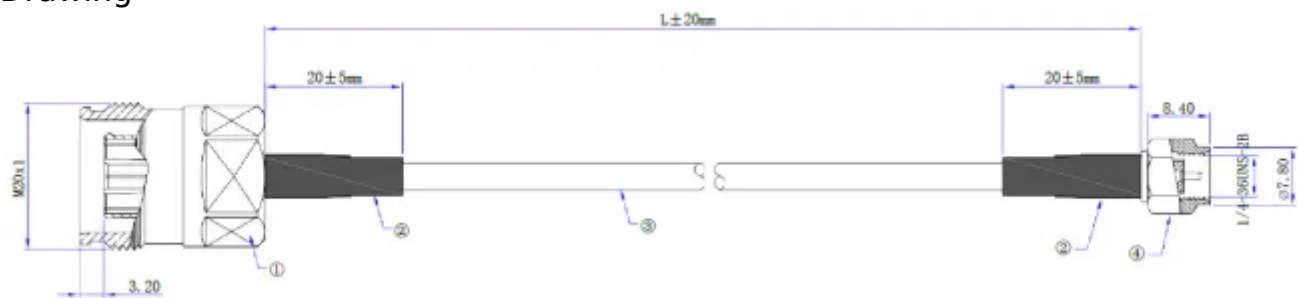
Length
0.5 m
Weight
63 g

RF Connectors

RF Interface Body Shape Mounting

[4.3-10 Female 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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