Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

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 ≤ 1.5:1 at 6000 MHz...

Read More



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	≤ 1.5:1

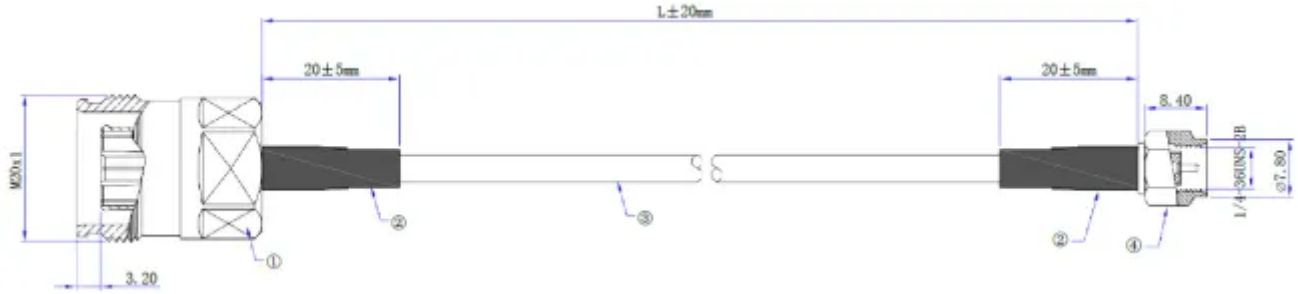
Physical Specification

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

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

