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RG-402 Patch Cable N Female to SMA Male Low PIM 50cm

SKU
ACC-PT-00364
MPN
CA-R402-N2SA1.050
Barcode
9337692002540

Description

The RG-402 Patch Cable, model ACC-PT-00364, is a high-performance RF cable developed by Powertec, suitable for component interconnection in various applications. This 50 cm cable features an N Female to SMA Male connection and is made from Powertec’s PSF-402 series, a 0.141" semi-flexible, low-loss coaxial cable with a 4.2 mm bright blue outer jacket. It supports frequencies up to 34 GHz, making it versatile for microwave and RF applications.

The PSF-402 cable is known for its hand-formability, excellent shielding, and very low passive intermodulation (PIM), with a 3rd Order PIM rating of -120 dBc. Its construction includes a tin-soaked copper braid that provides nearly 100% RF shielding, enhancing durability by preventing solder joint failures and allowing tight bends. It can endure over 500 mating cycles.

The cable operates within a frequency range of 0 to 6 GHz, with a VSWR of ≤ 1.2:1 at 3000 MHz and ≤ 1.5:1 at 6000 MHz, ensuring...

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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
PIM, 3rd Order
-120 dBc
Stop Frequency
6 GHz
VSWR Measurement

Frequency	VSWR
3000 MHz	≤ 1.2:1
6000 MHz	≤ 1.5:1

Physical Specification

Subtype
Patch Cable
Mating Cycles
> 500
Compliance/Certifications

ISO 9001 Quality Management

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RoHS

Length

0.5 m

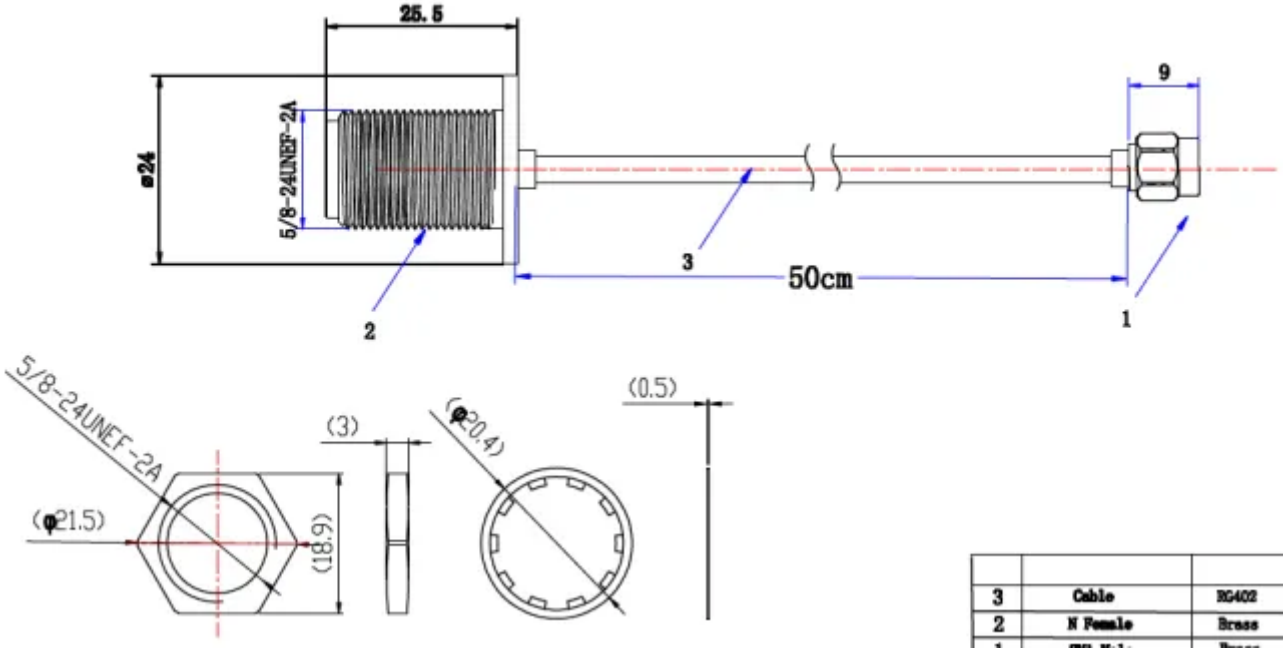
Weight

63 g

RF Connectors

RF Interface	Body Shape	Mounting
N 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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