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

RG-402 Patch Cable N Female to SMA Male Low PIM 30cm

SKU
ACC-PT-00363
MPN
CA-R402-N2SA1.030
Barcode
9337692002533

Description

The RG-402 Patch Cable N Female to SMA Male, 30cm (SKU: ACC-PT-00363) by Powertec is a high-performance coaxial cable designed for reliable RF connections. This patch cable features the PSF-402 series, a 0.141" semi-flexible, low-loss coaxial cable with a distinctive blue 4.2 mm outer jacket. It supports frequencies up to 34 GHz, making it an ideal choice for applications requiring efficient performance and cost-effectiveness.

The PSF-402 cable is hand-formable and microwave-grade, ensuring mode-free operation up to 34 GHz. Its tin-soaked copper braid provides near-complete RF shielding, and the malleable outer jacket reduces solder joint failures, allowing bends close to the fillet. The cable is 0.3 m long and weighs 58 g, withstanding over 500 mating cycles. It operates effectively between 0 and 6 GHz, with a 3rd Order PIM rating of -120 dBc.

This cable assembly meets ISO 9001 and RoHS certifications, ensuring quality and environmental...

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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

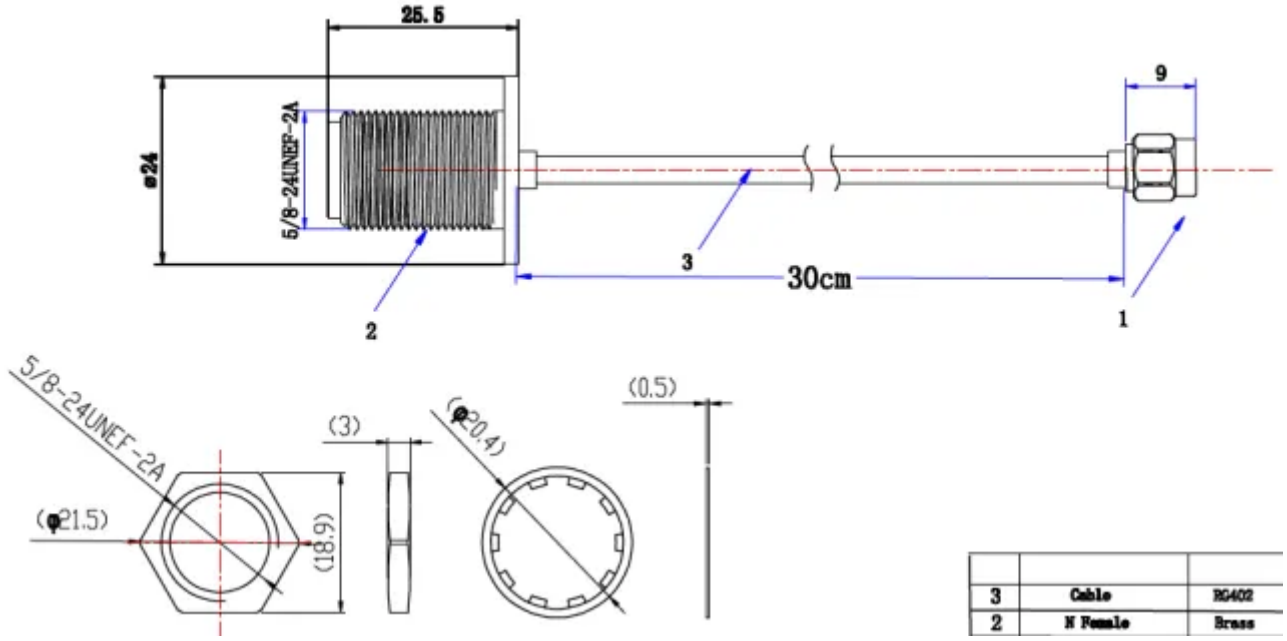
Physical Specification

Subtype
Patch Cable
Mating Cycles
> 500
Compliance/Certifications

ISO 9001 Quality Management
,
RoHS
Length
0.3 m
Weight
58 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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