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RG-402 Patch Cable 4.3-10 Male to 4.3-10 Male Low PIM 30cm

SKU
IBC-PT-00088
MPN
CA-R402-431431.030

Description

The RG-402 Patch Cable (SKU: IBC-PT-00088) is a high-performance RF cable from Powertec, featuring 4.3-10 Male connectors at both ends. With a length of 30 cm, this cable utilises Powertec’s PSF-402, a 0.141" Semi-Flexible, low-loss coaxial cable with a distinctive blue 4.2 mm outer jacket. Capable of supporting frequencies up to 34 GHz, the PSF-402 series offers an excellent balance of performance and cost, ideal for component interconnection.

This cable provides superior shielding with a tin-soaked copper braid and a malleable outer jacket that prevents solder joint failures. Its low PIM rating of -155 dBc and ability to withstand over 500 mating cycles ensure reliable performance. The declared operational frequency range is 0 to 6 GHz, offering mode-free operation up to 34 GHz.

Engineered for durability and precision, it achieves a VSWR of ≤ 1.2:1 at 3000 MHz and ≤ 1.5:1 at 6000 MHz, making it suitable for demanding RF applications...

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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
-155 dBc
Stop Frequency
6 GHz
VSWR Measurement

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

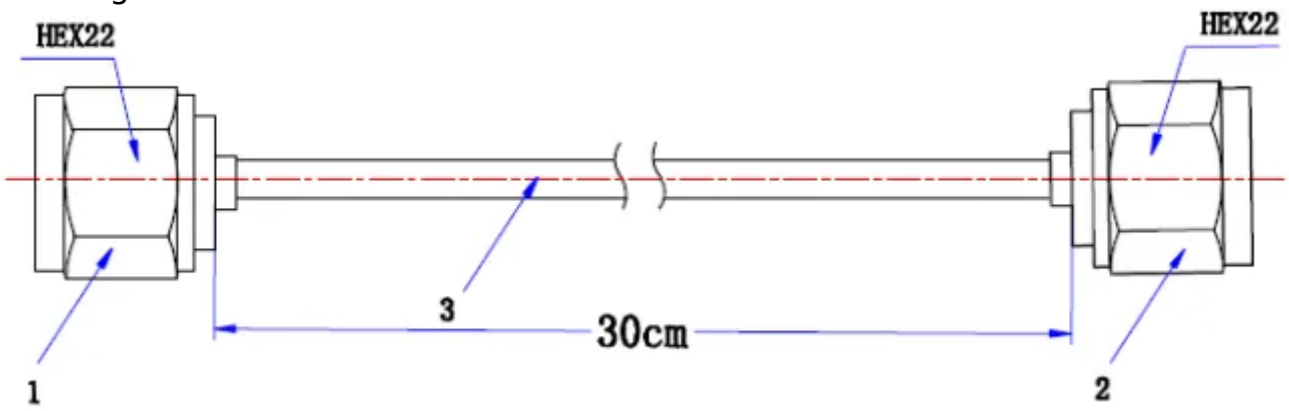
Physical Specification

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
4.3-10 Male	Straight	Free Hanging
4.3-10 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)

Layer	Diameter	Materials
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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