Powertec Wireless Technology
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PSF-402 Patch Cable 4.3-10 Female to SMA Male 1m

SKU
IBC-PT-00071
MPN
CA-R402-432SA1.1
Barcode
9337692001987

Description

The PSF-402 Patch Cable, part number CA-R402-432SA1.1, is a high-performance RF cable developed by Powertec, ideal for various component interconnections. With a length of 1 metre and weighing 75 grams, it features a PSF-402 coaxial cable type, known for its 0.141" semi-flexible low-loss design and bright blue 4.2 mm outer jacket. This cable supports frequencies up to 34 GHz and offers an exceptional balance between performance and cost.

Engineered for durability, the PSF-402 cable withstands over 500 mating cycles and ensures excellent RF shielding due to its tin-soaked copper braid construction. Its malleable jacket design prevents solder joint failures and allows for immediate bends behind the fillet. The cable is hand-formable and provides mode-free operation up to 34 GHz, making it suitable for microwave-grade applications.

Connectivity is ensured through a 4.3-10 Female connector and an SMA Male connector, both featuring a Straight...

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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
Stop Frequency
6 GHz
VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.5:1

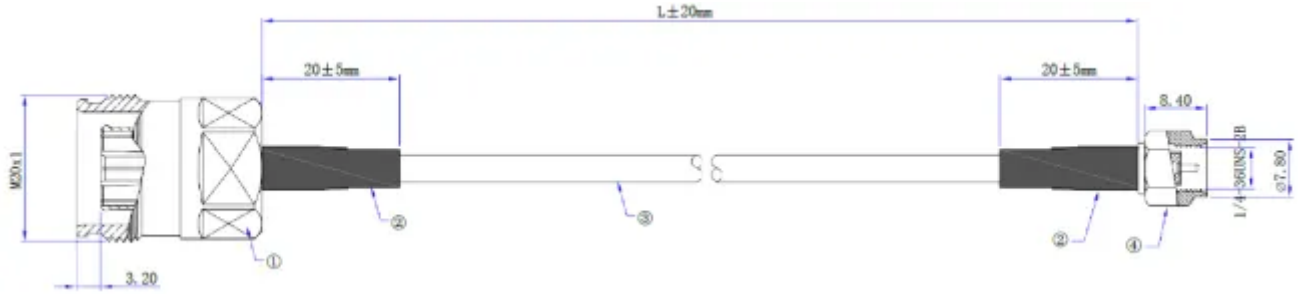
Physical Specification

Subtype
Patch Cable
Mating Cycles
> 500
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS

Length
1 m
Weight
75 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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