Powertec Wireless Technology
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PSF-402 Patch Cable 4.3-10 Male to SMA Male, Low PIM, 2m

SKU
IBC-PT-00106
MPN
CA-R402-431SA1.2
Barcode
9337692005039

Description

The PSF-402 Patch Cable, model CA-R402-431SA1.2, from Powertec offers a reliable connection solution for RF applications. This 2m coaxial cable features a 4.3-10 Male to SMA Male connector configuration, ensuring compatibility with a wide range of equipment. It is constructed from PSF-402, a 0.141" semi-flexible, low-loss coaxial cable with a bright blue 4.2 mm outer jacket. The cable supports frequencies up to 34 GHz, making it ideal for high-frequency applications while maintaining cost-effectiveness.

Engineered for durability, the PSF-402 Patch Cable withstands over 500 mating cycles and operates effectively between 0 GHz to 6 GHz. Its tin-soaked copper braid provides nearly 100% RF shielding, reducing interference and ensuring consistent performance. The malleable outer jacket allows for easy forming and eliminates solder joint failures, accommodating bends near the fillet without compromising integrity.

This cable meets ISO 9001...

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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

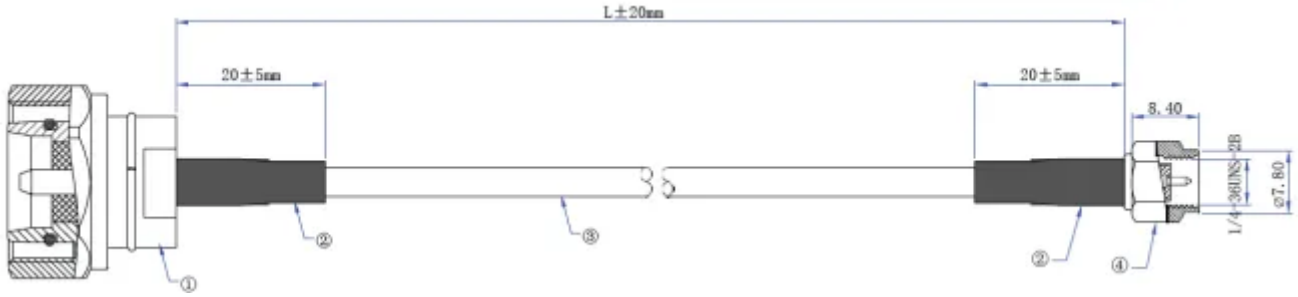
Physical Specification

Subtype
Patch Cable
Mating Cycles
> 500
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS
Length
2 m
Weight
100 g

RF Connectors

RF Interface	Body Shape	Mounting
4.3-10 Male	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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