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# RG-402 Patch Cable 4.3-10 Male to SMA Male, 20cm

SKU
IBC-PT-00044
MPN
CA-R402-431SA1.020
Barcode
9337692001796

**Description**

The RG-402 Patch Cable, 4.3-10 Male to SMA Male, 20 cm (SKU: IBC-PT-00044), is a high-performance RF cable developed by Powertec, part number CA-R402-431SA1.020. This cable features the PSF-402 design, a semi-flexible, low-loss coaxial cable with a 4.2 mm bright blue outer jacket, supporting frequencies up to 34 GHz. It effectively balances performance and cost, making it ideal for RF applications requiring reliable connectivity.

The PSF-402's 0.141" semi-flexible construction offers hand-formability and microwave-grade performance, with mode-free operation up to 34 GHz. Its tin-soaked copper braid ensures nearly 100% RF shielding, while the malleable outer jacket minimizes solder joint failures and allows for tight bends. This coaxial cable is designed for over 500 mating cycles, with a declared frequency range from 0 GHz to 6 GHz.

One end of the cable features a 4.3-10 Male connector, and the other end has an SMA Male connector, both...

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## RF Specification

Start Frequency
0 GHz
Stop Frequency
6 GHz

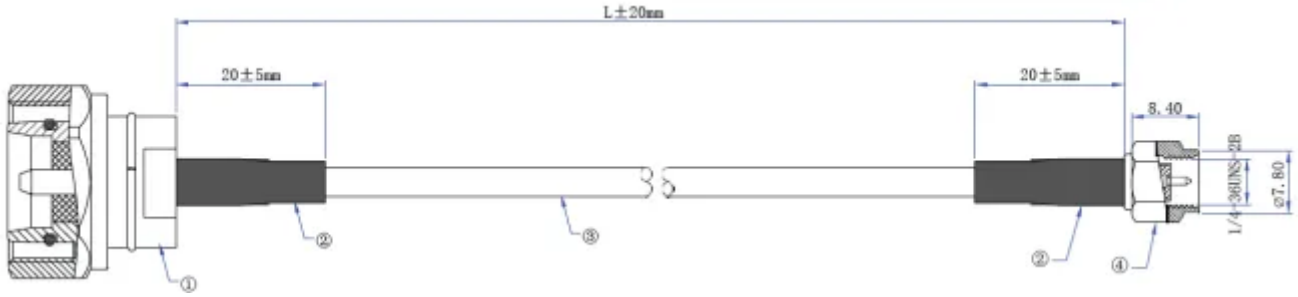
## Physical Specification

Subtype
Patch Cable
Mating Cycles
> 500
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS
Length
0.2 m
Weight
55 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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