

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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RF Specification

| | | | |
|------------------|-------|-----------------|-------|
| Start Frequency: | 0 GHz | Stop Frequency: | 6 GHz |
|------------------|-------|-----------------|-------|

VSWR Measurement

| Frequency | VSWR |
|-----------|---------|
| 6000 MHz | ≤ 1.5:1 |

Physical Specification

| | | | |
|----------------------------|-----------------------------|---------|------|
| Subtype: | Patch Cable | Length: | 1 m |
| Mating Cycles: | > 500 | Weight: | 75 g |
| Compliance/Certifications: | ISO 9001 Quality Management | | |
| RoHS | | | |

RF Connectors

RF Interface

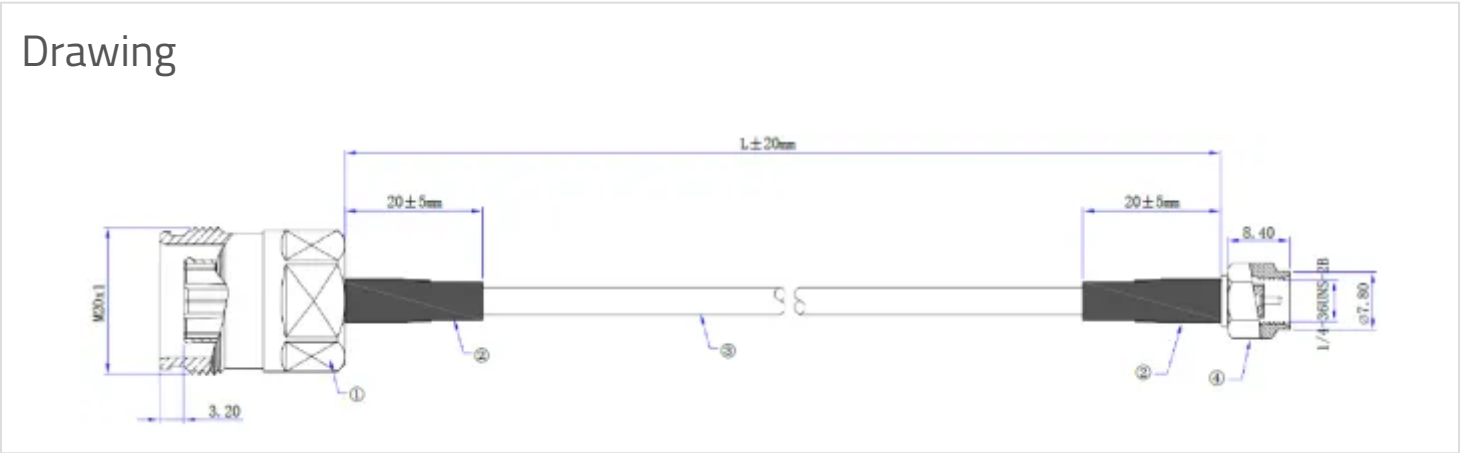
- 4.3-10 Female
- SMA Male

Body Shape

- Straight
- Straight

Mounting

- Free Hanging
- Free Hanging



PSF-402

| | | | |
|---------------------------|-------|--------------------------|----------|
| Min. Frequency: | 0 GHz | Max. Frequency: | 34 GHz |
| Impedance: | 50 | Shielding Effectiveness: | > 110 dB |
| Min. Bend Radius Static: | 8 mm | Colour: | Blue |
| Min. Bend Radius Dynamic: | 40 mm | | |

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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