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PSF-402 Cable Assembly, SMA Female to SMA Male, 180 mm

SKU
ACC-PT-00396
MPN
CA402-SA2SA1.018
Barcode
9337692004827

Description

SMA Female to SMA Male 0.141" semi-flex patch cables are a high performance, microwave-grade assembly designed to interconnect two components within an RF system. This PSF-402 assembly boasts low PIM, low VSWR, and 110 dB shielding.

SMA Female to SMA Male patch cables are very short coaxial cables designed to sit between a larger feeder cable and the end device, providing flexibility and strain relief to prevent damage to the equipment.

These cables are factory terminated and swept prior to leaving the manufacturing facility.

[Read More](#)

PSF-402 is a 0.141" Semi Flex cable type used a very high performance patching cable. The PSF prefix refers to "Powertec Semi-Flexible", distinguishing it from other Powertec manufactured cable types. Most SMA Male to SMA Female patch cables find their use in commercial and industrial RF systems where a short connection is required from the antenna feeder to the device.

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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

3000 MHz $\leq 1.3:1$

6000 MHz $\leq 1.5:1$

Physical Specification

Subtype

[Patch Cable](#)

Mating Cycles

> 500

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Length

0.18 m

Weight

13.5 g

RF Connectors

RF Interface Body Shape Mounting

[SMA 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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