

Powertec Wireless Technology ABN: 42 082 948 463 PO Box 1034, Ashmore City Queensland, Australia, 4214 sales@powertec.com.au 1300 769 378

L-195 Patch Cable SMA Male to SMA Female 2m

SKU: ACC-PT-00174 MPN: CA-L19-SA2SA1.2 Barcode: 9337692002878

Description

The L-195 Patch Cable (2m) by Powertec, part number CA-L19-SA2SA1.2, is a high-performance coaxial cable designed for RF applications, featuring SMA Male to SMA Female connectors. This cable is crafted with PTL-195 series low-loss coaxial material, boasting a compact 4.95 mm outer diameter. It offers superior performance compared to RG-58, supporting frequencies up to 6 GHz, making it ideal for HF/UHF/VHF and short-length higher frequency applications like 4G.

Weighing just 110 grams, the 2-metre cable is lightweight and flexible, ensuring easy installation. It is robust, withstanding over 500 mating cycles, and operates effectively within a frequency range of 0 to 6 GHz. The cable meets ISO 9001 Quality Management and RoHS certification standards, assuring compliance and quality.

The cable's RF performance is characterised by a VSWR of \leq 1.3:1 at 3000 MHz, \leq 1.6:1 at 5000 MHz, and \leq 1.8:1 at 6000 MHz, ensuring minimal signal reflection...

Read More





Powertec

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

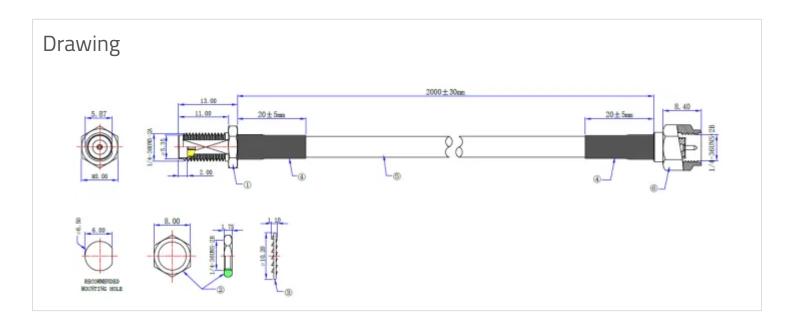
Start Frequency:	0 GHz	Stop Frequency:	6 GHz	
VSWR Measure	ment			
	Frequency		VSWR	
	3000 MHz		≤ 1.3:1	
	5000 MHz		≤ 1.6:1	
	6000 MHz		≤ 1.8:1	

Physical Specification

Subtype:	Patch Cable	Length:	2 m
Mating Cycles:	> 500	Weight:	110 g
Compliance/Certifications:	ISO 9001 Quality Management		
RoHS	,		

RF Connectors

RF Interface	Body Shape	Mounting
SMA Male	Straight	Free Hanging
SMA Female	Straight	Free Hanging



PTL-195

Min. Frequency:	0 GHz	Max. Frequency:	6 GHz
Impedance:	50	Shielding Effectiveness:	> 90 dB
Min. Bend Radius Static:	12.7 mm	Colour:	Black
Min. Bend Radius Dynamic:	50.8 mm	Weight (g/m):	30 g

Cable Layers

Inner Conductor0.94 mmSolid CopperDielectric2.97 mmFoamed Polyethylene (EPE)Outer Conductor2.95 mmAluminium Foil (Bonded)Outer Conductor3.53 mmTinned Copper Braid (TC)Outer Jacket4.95 mmPolyethylene (PE)	Layer	Diameter	Materials
Outer Conductor 2.95 mm Aluminium Foil (Bonded) Outer Conductor 3.53 mm Tinned Copper Braid (TC)	Inner Conductor	0.94 mm	Solid Copper
Outer Conductor 3.53 mm Tinned Copper Braid (TC)	Dielectric	2.97 mm	Foamed Polyethylene (EPE)
	Outer Conductor	2.95 mm	Aluminium Foil (Bonded)
Outer Jacket 4.95 mm Polyethylene (PE)	Outer Conductor	3.53 mm	Tinned Copper Braid (TC)
, ,	Outer Jacket	4.95 mm	Polyethylene (PE)

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

