

4.3-10 Male Connector for L-240 Coaxial Cable

SKU: IBC-PT-00020
 MPN: 431-C-L24
 Barcode: 9337692002335

Description

The 4.3-10 Male Connector, designed by Powertec (Part No. 431-C-L24), is tailored for seamless integration with L-240 coaxial cables. This RF connector features a straight, free-hanging design and utilises a crimp attachment method for reliable performance. Constructed with a brass body plated with nickel and brass inner contacts plated with silver, it ensures durability and optimal conductivity. The PTFE/Teflon insulator contributes to its robust design, allowing the connector to endure over 500 mating cycles.

The connector operates efficiently within a temperature range of -55 °C to 155 °C and supports frequencies from 0 to 6.0 GHz. It maintains an input impedance of 50 Ω and an impressive insulation resistance of ≥ 5000 mΩ. The maximum RF operating voltage is ≤ 1000 Vrms, and it achieves a VSWR of ≤ 1.35:1 at 6000 MHz, ensuring minimal signal loss and high performance.

As an Australian company established in 1995, Powertec is a leader...

[Read More](#)

RF Connector Interface



RF Interface	Body Shape	Mounting
4.3-10 Male	Straight	Free Hanging

RF Specification



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 ...

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Insulation Resistance:	≥ 5000 mΩ
		RF Operating Voltage:	≤ 1000 Vrms

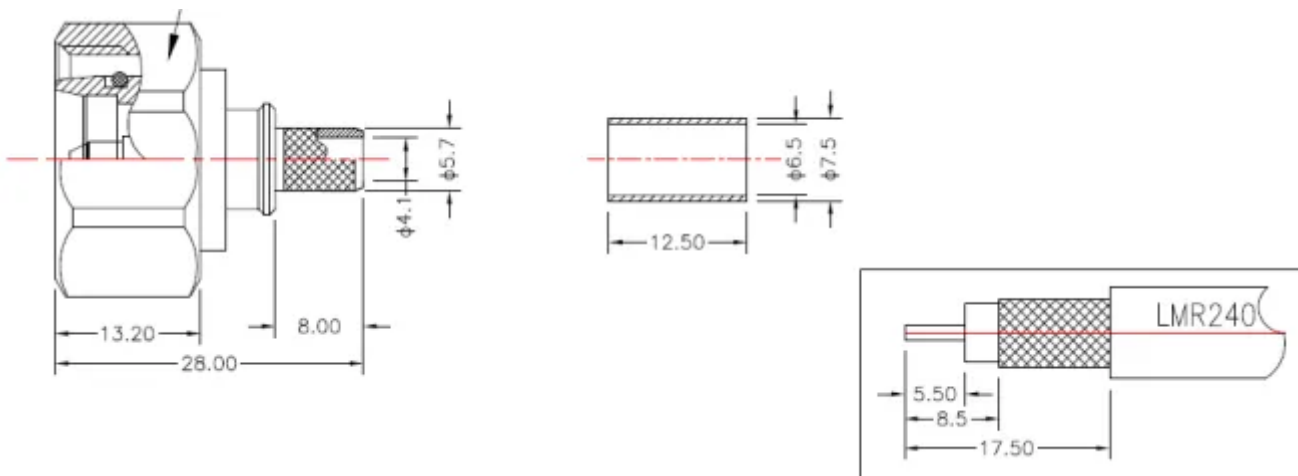
VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.35:1

Physical Specification

Cable Group:	L-240	Conductor Attachment:	Cable, Crimp
Body Material:	Brass	Contact Material:	Brass
Body Plating:	Nickel	Contact Plating:	Silver
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-55 °C
Dimensions:	28.00 × 8.00	Max. Operating Temperature:	155 °C
		Mating Cycles:	> 500

Drawing



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.

