

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 $\leq 1.35:1$ at 6000 MHz, ensuring minimal signal loss and high performance.

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RF Connector Interface

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

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		RF Operating Voltage:	$\leq 1000 \text{ Vrms}$

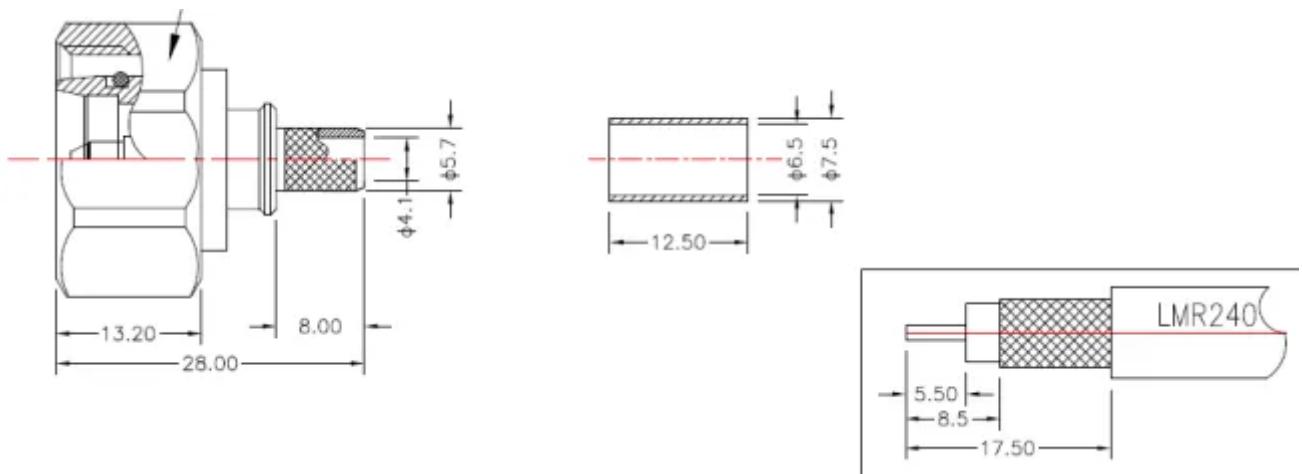
VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.35:1$

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 x 8.00	Max. Operating Temperature:	155 °C
		Mating Cycles:	> 500

Drawing



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