

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 m Ω . 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

Stop Frequency

6 GHz

Input Impedance

50 Ω

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](#)

Body Material

[Brass](#)

Body Plating

[Nickel](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

28.00 × 8.00

Conductor Attachment

[Cable, Crimp](#)

Contact Material

[Brass](#)

Contact Plating

Silver

Min. Operating Temperature

-55 °C

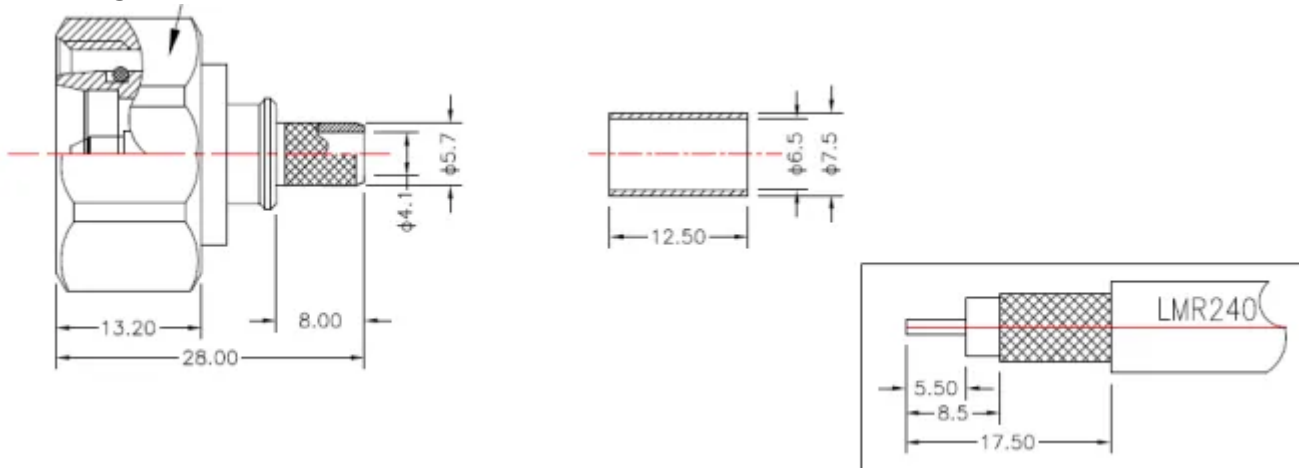
Max. Operating Temperature

155 °C

Mating Cycles

> 500

Drawing



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