

RG402 (141) PTFE Cable, Blue Jacket, Plenum | 123-14FMP-50 | 123e.com
Part Number: 123-14FMP-50



The 123-14FMP-50 is a high-performance, semi-flexible RG402 coaxial cable designed to withstand extreme temperatures ranging from **-55°C to +125°C**. Engineered for durability and reliable signal transmission, this cable features a **silver-plated copper inner conductor** and a **solid PTFE insulation** for optimal electrical properties. The **tin-soaked copper braid outer conductor** and **FEP jacket** provide superior shielding and protection.

Key Features:

- **Impedance:** $50 \pm 2 \Omega$
- **Max Operating Voltage:** 1.9 kVRMS
- **Signal Delay:** 4.7 ns/m
- **Propagation Velocity:** 70.8%
- **Screening Effectiveness:** 100 dB
- **Max Operating Frequency:** 34 GHz
- **VSWR (DC~3000 MHz):** ≤ 1.15
- **Bending Radius (Single):** 8 mm
- **Bending Radius (Repeat):** 40 mm
- **Attenuation:** Low nominal attenuation across a wide frequency range (e.g., 0.37 dB/m at 800 MHz, 1.29 dB/m at 7300 MHz)

CROSS REFERENCE

Alternative To	RG402 Plenum
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PHYSICAL SPECIFICATIONS

Outer Diameter	.141"
Outer Conductor	Tin-soaked copper Braid
Jacket Color	Blue
Insulation	Solid PTFE
Jacket Material	FEP Blue

ELECTRICAL SPECIFICATIONS

Frequency Range	up to 34GHz
Impedance	50 Ohm
Inner Construction	Silver-plated Copper

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-55°C to +125°C
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