2.4mm Male to 2.4mm Female Cable Assembly, 3506 Series Low Loss Phase Stable Flexible Coax Cable, Cable Dia.2.2mm, DC–50 GHz

Coaxial cable assembly · DC–50 GHz · 2.4mm male / female · 8 lengths, 100 mm to 2000 mm



Overview

2.4mm Male to 2.4mm Female Cable Assembly, rated DC–50 GHz. Available in 8 lengths from 100 mm to 2000 mm, listed below. All figures are the maker's datasheet values. Ships from US stock.

Applications

- Connecting instruments, modules and antennas
- Test-bench and lab wiring
- Integration in RF and radar test setups

Specifications

Frequency	DC–50 GHz
Impedance	50 Ω
Connector 1	2.4 mm male straight; stainless steel, passivated
Connector 2	2.4 mm female straight; stainless steel, passivated
VSWR	1.35 to 50 GHz
RF leakage	100 dB
Cable type	GT3506 flexible cable
Cable outer diameter	2.2 mm
Mating cycles, min	≥500
Operating temperature	−55 °C to +125 °C
RoHS	Yes
Inner conductor material	Silver Plated Copper Wire
Dielectric material	LD-PTFE

Jacket material	FEP
Cable color	Gray
Minimum bend radius	11 mm
Capacitance (pF/m)	94
Velocity of propagation	82%
Shielding effectiveness	< −100 dB @ 1 GHz

Options (Length)

100 mm · SKU KYM-US-CBL-0099-100

Insertion loss	≤ 1.15 dB at 50 GHz
Length tolerance	±3 mm

200 mm · SKU KYM-US-CBL-0099-200

Insertion loss	≤ 1.45 dB at 50 GHz
Length tolerance	±3 mm

300 mm · SKU KYM-US-CBL-0099-300

Insertion loss	≤ 2.1 dB at 50 GHz
Length tolerance	±3 mm

500 mm · SKU KYM-US-CBL-0099-500

Insertion loss	≤ 3.32 dB at 50 GHz
Length tolerance	±5 mm

800 mm · SKU KYM-US-CBL-0099-800

Insertion loss	≤ 5.0 dB at 50 GHz
Length tolerance	±5 mm

1000 mm · SKU KYM-US-CBL-0099-1000

Insertion loss	≤ 5.78 dB at 50 GHz
Length tolerance	±10 mm

1500 mm · SKU KYM-US-CBL-0099-1500

Insertion loss	≤ 8.53 dB at 50 GHz
Length tolerance	±15 mm

2000 mm · SKU KYM-US-CBL-0099-2000

Insertion loss	≤ 10.94 dB at 50 GHz
Length tolerance	±20 mm

Values are typical or maximum figures stated in the manufacturer's datasheet, not a Kymopsis lab report. Ask us for the manufacturer's test data where one exists.

Passive RF component for laboratory, development and integration use. It does not transmit on its own and carries no FCC, CE or other equipment certification claim.

Kymopsis · kymopsis.com · support@kymopsis.com. Specifications may change without notice. Custom lengths, connectors and bands: kymopsis.com/b2b/