2.4mm 4 Hole Flange Female to 2.4mm Female Cable Assembly, 086" Semi-Flexible Coax Cable with FEP Jacket, DC–50 GHz

Coaxial cable assembly · DC–50 GHz · 2.4mm female / female · 7 lengths, 100 mm to 500 mm



Overview

2.4mm 4 Hole Flange Female to 2.4mm Female Cable Assembly, rated DC–50 GHz. Available in 7 lengths from 100 mm to 500 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 female straight; stainless steel, passivated
Connector 2	2.4 mm female straight; stainless steel, passivated
VSWR	1.44 to 50 GHz
RF leakage	110 dB
Cable type	.086" Semi-Flexible cable
Cable outer diameter	2.54 mm
Connector 1 mount method	4 Hole Flange
Connector 2 mount method	4 Hole Flange
Mating cycles, min	≥500
Operating temperature	−40 °C to +125 °C

RoHS	Yes
Inner conductor material	Silver Plated Copper Covered Steel (SCCS)
Dielectric material	Solid extruded PTFE
Jacket material	FEP
Cable color	Blue
Minimum bend radius	6 mm
Capacitance (pF/m)	94
Velocity of propagation	71%
Shielding effectiveness	< −110 dB @ 1 GHz

Options (Length)

100 mm · SKU KYM-US-CBL-0068-100

Insertion loss	≤ 1.40 dB at 50 GHz
Length tolerance	±3 mm

150 mm · SKU KYM-US-CBL-0068-150

Insertion loss	≤ 1.75 dB at 50 GHz
Length tolerance	±3 mm

200 mm · SKU KYM-US-CBL-0068-200

Insertion loss	≤ 2.10 dB at 50 GHz
Length tolerance	±3 mm

250 mm · SKU KYM-US-CBL-0068-250

Insertion loss	≤ 2.45 dB at 50 GHz
Length tolerance	±3 mm

300 mm · SKU KYM-US-CBL-0068-300

Insertion loss	≤ 2.80 dB at 50 GHz
Length tolerance	±3 mm

400 mm · SKU KYM-US-CBL-0068-400

Insertion loss	≤ 3.45 dB at 50 GHz
Length tolerance	±5 mm

500 mm · SKU KYM-US-CBL-0068-500

Insertion loss	≤ 4.10 dB at 50 GHz
Length tolerance	±5 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.

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