G3PO (SMPS) Female to G3PO (SMPS) Female Cable Assembly, .047" Series Semi-Flexible Coax Cable, DC–100 GHz

Coaxial cable assembly · DC–100 GHz · G3PO female / female · 7 lengths, 100 mm to 500 mm



Overview

G3PO (SMPS) Female to G3PO (SMPS) Female Cable Assembly, rated DC–100 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–100 GHz
Impedance	50 Ω
Connector 1	G3PO female straight; beryllium copper, gold
Connector 2	G3PO female straight; beryllium copper, gold
VSWR / return loss	8 dB to 100 GHz
RF leakage	100 dB
Cable type	.047" semi-flexible cable
Cable outer diameter	1.19 mm
Mating cycles, min	≥500
Operating temperature	−45 °C to +125 °C
RoHS	Yes
Inner conductor material	Silver plated copperweld

Dielectric material	Solid PTFE
Cable color	Silver
Minimum bend radius	5 mm
Capacitance (pF/m)	95.1
Velocity of propagation	70%
Shielding effectiveness	>90

Options (Length)

100 mm · SKU KYM-US-CBL-0296-100

Insertion loss	≤ 1.62 dB at 40 GHz
Length tolerance	±3 mm

150 mm · SKU KYM-US-CBL-0296-150

200 mm · SKU KYM-US-CBL-0296-200

Insertion loss	≤ 2.44 dB at 40 GHz
Length tolerance	±3 mm

250 mm · SKU KYM-US-CBL-0296-250

300 mm · SKU KYM-US-CBL-0296-300

Insertion loss	≤ 3.56 dB at 40 GHz
Length tolerance	±3 mm

400 mm · SKU KYM-US-CBL-0296-400

500 mm · SKU KYM-US-CBL-0296-500

Insertion loss	≤ 5.82 dB at 40 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.

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