1.0mm Male to 1.0mm Male Cable Assembly, U20 Series Low Loss Phase Stable Flexible Coax Cable, With Armor, DC–110 GHz

Coaxial cable assembly · DC–110 GHz · 1.0mm male / male · 7 lengths, 150 mm to 1000 mm



Overview

1.0mm Male to 1.0mm Male Cable Assembly, rated DC–110 GHz. Available in 7 lengths from 150 mm to 1000 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–110 GHz
Impedance	50 Ω
Connector 1	1.0 mm male straight; stainless steel, passivated
Connector 2	1.0 mm male straight; stainless steel, passivated
VSWR	1.44 to 110 GHz
RF leakage	90 dB
Cable type	U20 Series
Cable outer diameter	5 mm
Armor type	A3(Stainless Steel Wire Covered By Tin Plated Copper Wire And Nomex Braid)
Mating cycles, min	≥500
Operating temperature	−55 °C to +125 °C
RoHS	Yes

Inner conductor material	Silver plated copper
Dielectric material	ePTFE
Jacket material	FEP
Cable color	Violet
Minimum bend radius	50 mm
Capacitance (pF/m)	86
Velocity of propagation	80%
Shielding effectiveness	> 90 dB @ 1 GHz

Options (Length)

150 mm · SKU KYM-US-CBL-0011-150

Insertion loss	≤ 2.32 dB at 110 GHz
Length tolerance	±3 mm

200 mm · SKU KYM-US-CBL-0011-200

Insertion loss	≤ 2.98 dB at 110 GHz
Length tolerance	±3 mm

400 mm · SKU KYM-US-CBL-0011-400

Insertion loss	≤ 5.61 dB at 110 GHz
Length tolerance	±5 mm

500 mm · SKU KYM-US-CBL-0011-500

Insertion loss	≤ 8.32 dB at 110 GHz
Length tolerance	±5 mm

600 mm · SKU KYM-US-CBL-0011-600

800 mm · SKU KYM-US-CBL-0011-800

Insertion loss	≤ 10.86 dB at 110 GHz
Length tolerance	±5 mm

1000 mm · SKU KYM-US-CBL-0011-1000

Insertion loss	≤ 13.49 dB at 110 GHz
Length tolerance	±10 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/