N Male to N Female Cable Assembly, 205A Low Loss Phase Stable Flexible Coax Cable With FEP Jacket, With Armor, DC–18 GHz, Insertion loss 1.05dB/m @18 GHz

Coaxial cable assembly · DC–18 GHz · N male / female · 6 lengths, 500 mm to 5000 mm



Overview

N Male to N Female Cable Assembly, rated DC–18 GHz. Available in 6 lengths from 500 mm to 5000 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–18 GHz
Impedance	50 Ω
Connector 1	N male straight; stainless steel, passivated
Connector 2	N female straight; stainless steel, passivated
VSWR	1.25 to 18 GHz
RF leakage	100 dB
Cable type	Low Loss & Phase Stable Flexible Cable
Cable outer diameter	5.21 mm
Armor type	A3(Stainless Steel Wire Covered By Tin Plated Copper Wire And Nomex Braid)
Mating cycles, min	≥500
Operating temperature	−45 °C to +125 °C

RoHS	Yes
Inner conductor material	Silver Plated Copper
Dielectric material	LD-PTFE
Jacket material	FEP
Minimum bend radius	52 mm
Capacitance (pF/m)	80
Velocity of propagation	83%
Shielding effectiveness	> 100 dB @ 1 GHz

Options (Length)

500 mm · SKU KYM-US-CBL-0339-500

Insertion loss	≤ 0.89 dB at 18 GHz
Length tolerance	±5 mm

800 mm · SKU KYM-US-CBL-0339-800

Insertion loss	≤ 1.20 dB at 18 GHz
Length tolerance	±5 mm

1000 mm · SKU KYM-US-CBL-0339-1000

Insertion loss	≤ 1.41 dB at 18 GHz
Length tolerance	±10 mm

2000 mm · SKU KYM-US-CBL-0339-2000

Insertion loss	≤ 2.43 dB at 18 GHz
Length tolerance	±20 mm

3000 mm · SKU KYM-US-CBL-0339-3000

Insertion loss	≤ 3.46 dB at 18 GHz
Length tolerance	±30 mm

5000 mm · SKU KYM-US-CBL-0339-5000

Insertion loss	≤ 5.50 dB at 18 GHz
Length tolerance	±50 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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