

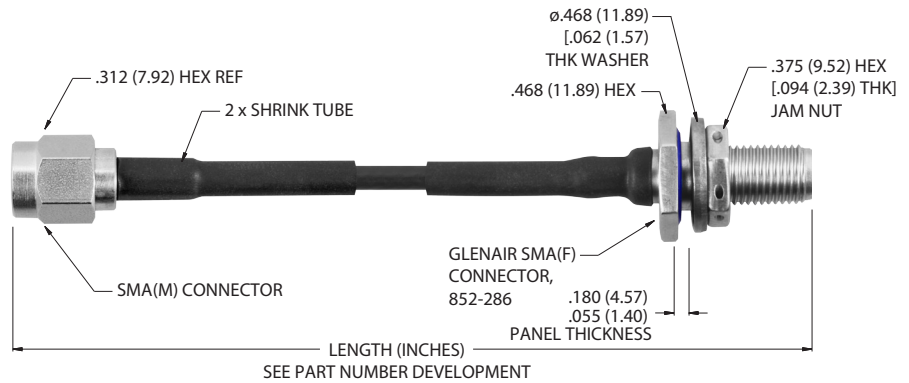
GRF02-0024

Male to Female SMA Assembly

- RG 174 or RG 316 Cable
- Precision-Grade Connectors
- Flexible cable

SMA JUMPER ASSEMBLY

RF cable assembly has male SMA connector on one end and female SMA hermetic jam-nut on the other end. Two 50 ohm cable types, RG174 and RG316, are available. RG174 coax cable has black PVC jacket rated to 85°C and RG316 cable has tan FEP jacket rated to 200°C. SMA connector outer body is stainless steel with passivated finish. Hermetic Jam-nut connector is stainless steel with passivated finish. Center contact is copper alloy and gold plated.



TOLERANCE IS:
 +1.80/-0.00 FOR "L" LESS THAN OR EQUAL TO 60.00 INCHES
 +3%/-0.00 FOR "L" GREATER THAN 60.00 INCHES

PART NUMBER

GRF02-0024-01-◆

- 01: RG174 50 ohm cable
- 02: RG316 50 ohm cable

Replace ◆ with length in one inch increments, 3 inch minimum

SPECIFICATIONS

- Frequency range:
 RG174: DC - 1 GHz
 RG316: DC - 3 GHz
- VSWR: 1.30:1 maximum
- Impedance: 50 ohm nominal
- Insertion Loss:
 See Insertion Loss table

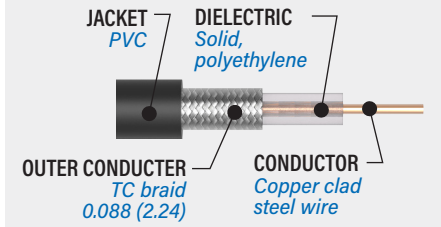
INSERTION LOSS (IL)

	Connector IL (dB)	Cable IL (dB/ft)
RG174: 1 GHz	.500	.320
RG316: 3 GHz	.500	.580

Calculate Insertion Loss (IL)

Multiply cable length in inches times the Cable IL from table. Add this to connector IL from table. Connector IL includes both connectors.

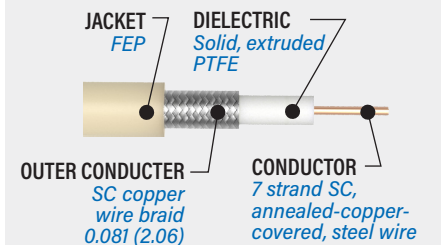
RG174 CABLE CONSTRUCTION



WEIGHT

	Weight
Connectors	0.289 oz
Coax Cable	.0095 lb per foot

RG316 CABLE CONSTRUCTION



WEIGHT

	Weight
Connectors	6.0775 oz
Coax Cable	1.22 lb per 100 ft

RF CABLE ASSEMBLIES