

GRF02-001

Male SMA to Male SMA Jumper

- 18 GHz
- 086 and 141 Sizes
- 50 Ohm Coax Cable
- SST Connector Body
- No Jacket

086 JUMPER ASSEMBLY

Back-to-back jumper has male SMA plug on each end. 50 ohm low loss coax cable has unjacketed tinned copper braid for excellent flexibility. SMA connectors are stainless steel with gold-plated body and passivated coupling nut. Contact is gold-plated copper alloy.

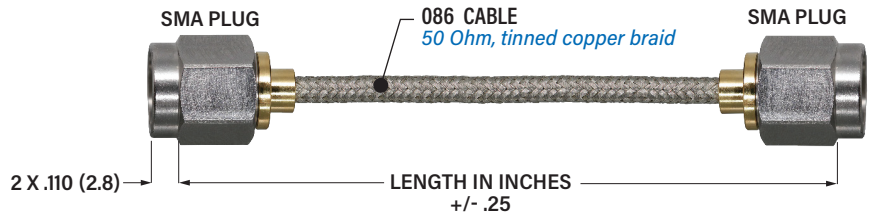
PART NUMBER

GRF02-001-086-◆

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

SPECIFICATIONS

- Operating temperature: -55 °C to +165 °C
- Minimum bend radius: .236 in. (6.0 mm)
- Frequency range: DC - 18 GHz
- VSWR: 1.30 maximum
- Impedance: 50 ohm nominal



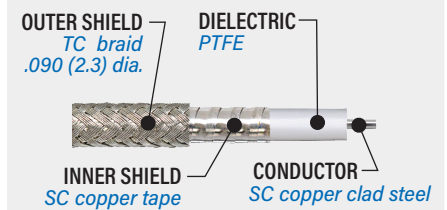
INSERTION LOSS (IL)

	Connector IL (dB)	Cable IL (dB/in)
3 GHz	.250	.036
6 GHz	.353	.053
12 GHz	.500	.074
15 GHz	.558	.089
18 GHz	.612	.099

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.

086 CABLE CONSTRUCTION



WEIGHT

	Weight (ounces)
Connectors	.218
Coax Cable	.012 per inch

141 JUMPER ASSEMBLY

Back-to-back jumper has male SMA plug on each end. 50 ohm low loss coax cable has unjacketed tinned copper braid for excellent flexibility. SMA connectors are stainless steel with gold-plated body and passivated coupling nut.

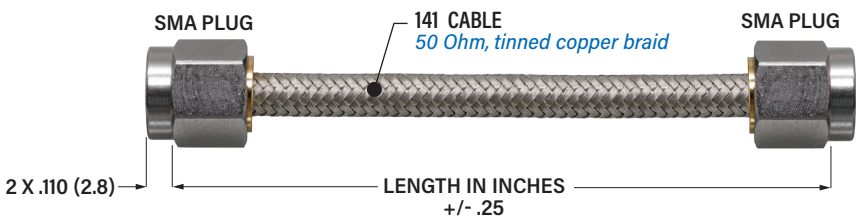
PART NUMBER

GRF02-001-141-◆

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

SPECIFICATIONS

- Operating temperature: -55 °C to +165 °C
- Minimum bend radius: .394 in. (10.0 mm)
- Frequency range: DC - 18 GHz
- VSWR: 1.30 maximum
- Impedance: 50 ohm nominal



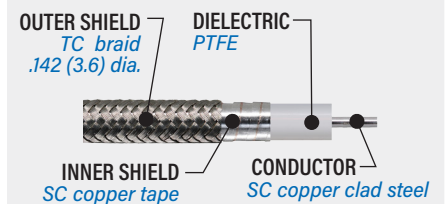
INSERTION LOSS (IL)

	Connector IL (dB)	Cable IL (dB/in)
3 GHz	.250	.020
6 GHz	.353	.030
12 GHz	.500	.046
15 GHz	.558	.053
18 GHz	.612	.060

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.

141 CABLE CONSTRUCTION



WEIGHT

	Weight (ounces)
Connectors	.155
Coax Cable	.04 per inch