

## Frequency:

Frequency range: 0~ 6 GHz

VSWR: ≤1.15 @ DC to 4 GHz  
 ≤1.40 @ 4 to 6 GHz

Insertion Loss (dB): 0.177 under 6 GHz

## Electrical:

Impedance: 50 ohm

Voltage Rating: ≤170 V rms (Depending on cable)

Insulator Resistance : ≥ 1 GΩ

Dielectric Withstanding Voltage : 500 V rms

Contact Resistance : Center Contact ≤ 10 mΩ  
 Outer Contact ≤ 5 mΩ

## Mechanical:

Mating : Snap-on Coupling

Engagement Force : ≤3.4 lbs

Disengagement Force : 1.4 lbs ~ 3.4 lbs

Cable Retention Force: ≥7.3 lbs (for RG178)  
 ≥12.1 lbs (for RG316)



## Environmental:

Temperature Range : -55°C to 155°C

Corrosion (Salt Spray) : MIL-STD-202,  
 Method 101, Cond.B

Vibration : MIL-STD-202, Method 204, Cond.C

Thermal Shock : MIL-STD-202, Method 107, Cond.F

Mechanical : MIL-STD-202, Method 213, Cond.B

## Notes:

- 1- The overall contour may be slightly changed per terminating with different cable and we reserve right to change it without notice.
- 2- Any changes for interface dimensions are strictly prohibited.
- 3- The Material and plating are in various options per customer's request.
- 4- A complete information for connectors is available upon request.

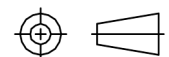
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Cable Type	Dimensions		
	A	B	C
0 RG174,316	<b>1.63</b>	<b>2.3</b>	<b>3.0</b>
1 RG316 Double Braided	<b>1.63</b>	<b>2.3</b>	<b>3.2</b>
2 RG178	<b>1.0</b>	<b>1.7</b>	<b>2.2</b>
3 LMR200	<b>3.1</b>	<b>4.3</b>	<b>5.4</b>
4 1.32	<b>1.0</b>	<b>1.7</b>	<b>1.9</b>
5 1.13	<b>0.75</b>	<b>1.5</b>	<b>1.2</b>

Tolerances
.X ±0.2
.XX ±0.1
.XXX ±0.05

Scale	Abbr.	Rev.
NTS	ST	B

Part Number **F171-212x**  
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All Dimensions in mm  
 (Unless Otherwise Specified)

Date  
 2021/08/17

