

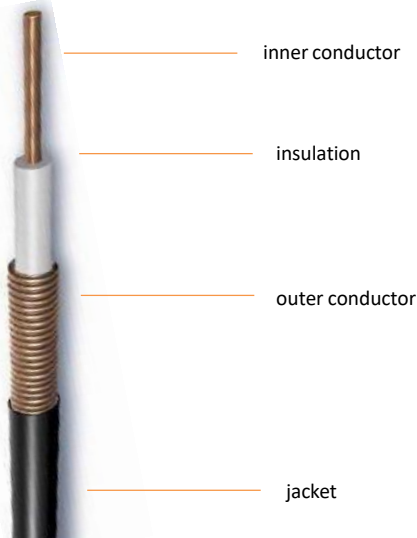
# 33-HECXXN-G2 | 1/2" Super Flexible RF Coaxial Cable

Cable Type : Fire-retardant cable

## OVERVIEW

Bridge 1/2" Super Flexible RF Coaxial Cable

### Outline Diagram



### Construction

Inner conductor	Material	CCA
	Diameter	3.60±0.05 mm
Insulation	Material	Foamed PE
	Diameter	9.0±0.2 mm
Outer conductor	Material	Helical corrugated copper tube
	Diameter	12.2±0.15 mm
Jacket	Material	LLDPE or fire-retardant PE
	Thickness	>0.5 mm
	Diameter	13.6±0.2 mm

### Note:

For fire-retardant jacket cable recommended

Temperature: Storage: -30°C~+80°C

Installation: -25°C~+60°C

Operating temperature: -30°C~+80°C

Products meet the RoHS requirement, and according to the requirements of RoHS, you can see the RoHS mark on the outside package.

## TECHNICAL DATA

### Mechanical Characteristics

Bending radius	Single bend	25 mm
	Repeated bend	55 mm
Tensile strength		750 N
Cable weight		170 kg/km
Recommended temperature	Storage	-70~+85 °C
	Installation	-40~+60 °C
	Operating	-55~+85 °C

### Electrical Characteristics

Characteristic impedance	50±1 Ω
Capacitance	80 p F/m
Velocity	82 %
Dielectric strength	3.0 KV
Insulation resistance	>1×10 <sup>4</sup> MΩ/km
Peak power rating	15.6 KV
Peak voltage	1400 V
Cut-off frequency	17.0 V

Attenuation and Average power ( Maximum attenuation value shall be 105% of the nominal attenuation value )

Frequency	Attenuation @20°C	Power
200 MHz	4.84 dB/100m	2.17 kv
450 MHz	7.59 dB/100m	1.38 kv
800 MHz	10.42 dB/100m	1.01 kv
900 MHz	11.21 dB/100m	0.95 kv
1000 MHz	11.82 dB/100m	0.89 kv
1500 MHz	14.59 dB/100m	0.68 kv
1800 MHz	16.01dB/100m	0.63 kv
2000 MHz	17.22 dB/100m	0.60 kv
2200 MHz	18.21 dB/100m	0.56 kv
2500 MHz	19.62 dB/100m	0.53 kv
3000 MHz	22.31 dB/100m	0.46 kv

### VSWR

800MHz~1000MHz	1.13
1700MHz~2500MHz	1.13
2500MHz~3000MHz	1.15

**Disclaimer:** All images are for reference purposes only

Revised |

26 April 2019

**Important Notice:** Information contained in this data sheet is believed to be reliable at the date of issue, however accuracy and completeness is not guaranteed. Bridge holds the right to change the product specifications without notice.