

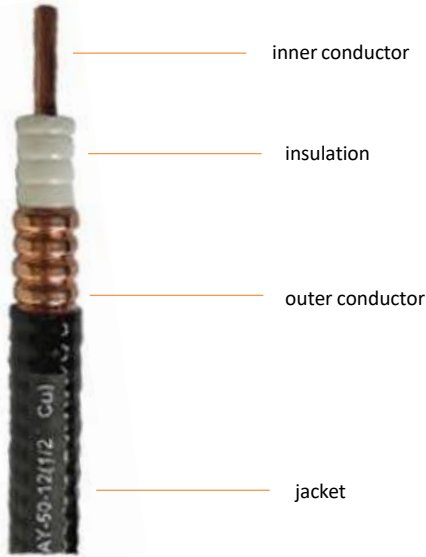
# 33-HECXXN-F2 | 1/2" Flexible RF Coaxial Cable

Cable Type : Fire-retardant cable

## OVERVIEW

Bridge 1/2" Flexible RF Coaxial Cable

### Outline Diagram



Construction		
Inner conductor	Material	CCA
	Diameter	4.80 ± 0.05 mm
Insulation	Material	Foamed PE
	Diameter	12.2 ± 0.2 mm
Outer conductor	Material	Annular corrugated copper tube
	Diameter	13.80 ± 0.15 mm
Jacket	Material	LLDPE or fire-retardant PE
	Thickness	>0.7 mm
	Diameter	15.7 ± 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

## TECHNICAL DATA

### Mechanical Characteristics

Bending radius	Single bend	50 mm
	Repeated bend	125 mm
Tensile strength		1050 N
Cable weight		200 kg/km
Recommended temperature	Storage	-70~+85 °C
	Installation	-40~+60 °C
	Operating	-55~+85 °C

### Electrical Characteristics

Characteristic impedance	50 Ω
Capacitance	76 p F/m
Velocity	86 %
Dielectric strength	6.0 KV
Insulation resistance	>1×10 <sup>4</sup> MΩ/km
Peak power rating	40 KV
Peak voltage	1800 V

Attenuation and Average power (Maximum attenuation value shall be 10% of the nominal attenuation value)

Frequency	Attenuation @20°C	Power
200 MHz	3.11 dB/100m	2.45 kv
450 MHz	4.75 3 dB/100m	1.59 kv
800 MHz	6.46 dB/100m	1.17 kv
900 MHz	6.86 dB/100m	1.10 kv
1000 MHz	7.29 dB/100m	1.04 kv
1500 MHz	9.68 dB/100m	0.96 kv
1800 MHz	10.10 dB/100m	0.75 kv
2000 MHz	10.72 dB/100m	0.71 kv
2200 MHz	11.25 dB/100m	0.68 kv
2500 MHz	12.13 dB/100m	0.63 kv
3000 MHz	13.41 dB/100m	0.58 kv

### VSWR

800MHz~1000MHz	1.10
1700MHz~2500MHz	1.15
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.