

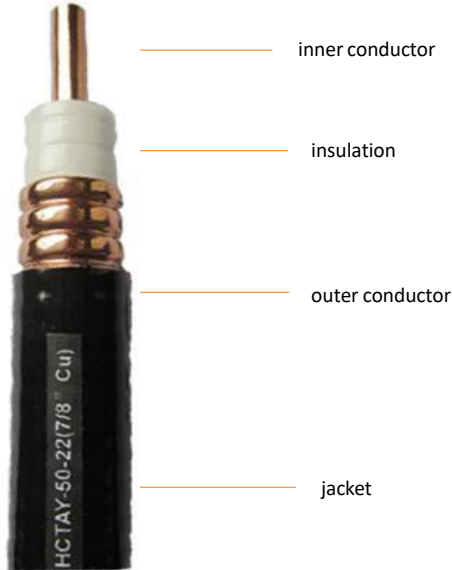
33-HECXXXN-F3 | 7/8" Flexible RF Coaxial Cable

Cable Type : Fire-retardant cable

OVERVIEW

Bridge 7/8" Flexible RF Coaxial Cable

Outline Diagram



Construction		
Inner conductor	Material	Copper tube
	Diameter	9.0±0.05 mm
Insulation	Material	Foamed PE
	Diameter	24.9±0.20 mm
Outer conductor	Material	Annular corrugated copper tube
	Diameter	13.80 ± 0.15 mm
Jacket	Material	LLDPE or fire-retardant PE
	Thickness	> 1.1 mm
	Diameter	27.5±0.25 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	120 mm
	Repeated bend	250 mm
Tensile strength		1400 N
Cable weight		400 kg/km
Recommended temperature	Storage	-70~+85 °C
	Installation	-40~+60 °C
	Operating	-55~+85 °C

Electrical Characteristics	
Characteristic impedance	50±1 Ω
Capacitance	76 p F/m
Velocity	88 %
Dielectric strength	10 KV
Insulation resistance	> 1×10 ⁴ MΩ/km
Peak power rating	90 KV
Peak voltage	3200 V
Cut-off frequency	5.2 GHz

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

Frequency	Attenuation @20°C	Power
200 MHz	1.69 dB/100m	6.27 kv
450 MHz	2.65 dB/100m	3.73 kv
800 MHz	3.64 dB/100m	2.49 kv
900 MHz	3.86 dB/100m	2.34 kv
1000 MHz	4.13 dB/100m	2.19 kv
1500 MHz	5.21 dB/100m	2.01 kv
1800 MHz	5.76 dB/100m	1.73 kv
2000 MHz	6.12 dB/100m	1.64 kv
2200 MHz	6.46dB/100m	1.40 kv
2500 MHz	6.97 dB/100m	1.34 kv
3000 MHz	7.76 dB/100m	1.16 kv

VSWR	
800MHz~1000MHz	1.10
1700MHz~2500MHz	1.13
2500MHz~3000MHz	1.15

Disclaimer: All images are for reference purposes only

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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.