

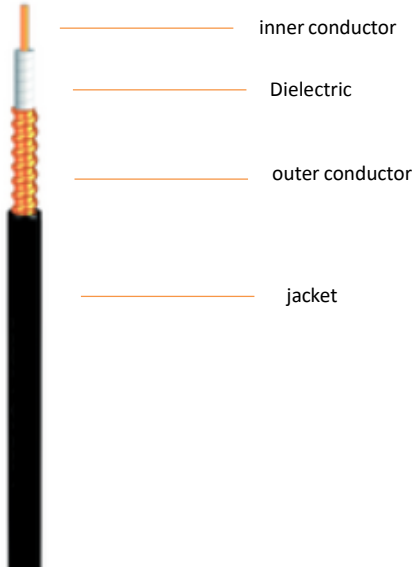
# 30-HEBXXXN-S1 | 1/4" Super Flexible RF Coaxial Cable

Cable Type : Super Flexible cable

## OVERVEIW

Bridge 1/4" Super Flexible RF Coaxial Cable

### Outline Diagram



Construction		
Inner conductor	Material	CCA
	Diameter	1.90 mm
Dielectric	Material	PFP
	Diameter	4.75 mm
Outer conductor	Material	HCT
	Diameter	6.35 mm
Jacket	Material	Black PE
	Thickness	>0.5 mm
	Diameter	7.50 mm

**Note:**

Compliant with RoHS 2011/65 / EU

## TECHNICAL DATA

### Mechanical Characteristics

Bending radius	Single bend	12.5 mm
	Repeated bend	25.0 mm
Tensile strength		600 N
Minimum Number of Bends		15
Recommended temperature	Storage	-55~+85 °C
	Installation	-40~+60 °C
	Operating	-55~+85 °C

### Electrical Characteristics

Characteristic impedance	50 Ω
Capacitance	80 p F/m
Velocity	83 %
Cut-off Frequency	20.40 GHz
Insulation resistance	> 5000 MΩ/km
Peak power rating	6.40 KV
Peak voltage	0.80 V

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

Frequency	Attenuation @20°C	Power
100 MHz	5.60 dB/100m	1.23 kv
450 MHz	12.20 dB/100m	0.57 kv
800 MHz	16.70 dB/100m	0.42 kv
900 MHz	17.50 dB/100m	0.39 kv
1000 MHz	18.60 dB/100m	0.37 kv
1500 MHz	23.40 dB/100m	0.30 kv
1800 MHz	25.70 dB/100m	0.27 kv
2000 MHz	2690 dB/100m	0.26 kv
2200 MHz	28.50 dB/100m	0.25 kv
2500 MHz	30.60 dB/100m	0.23 kv
3000 MHz	33.50 dB/100m	0.21 kv

### VSWR

800MHz~1000MHz	1.13
1700MHz~2200MHz	1.13
2200MHz~2700MHz	1.15

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

**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.