DATA SHEET

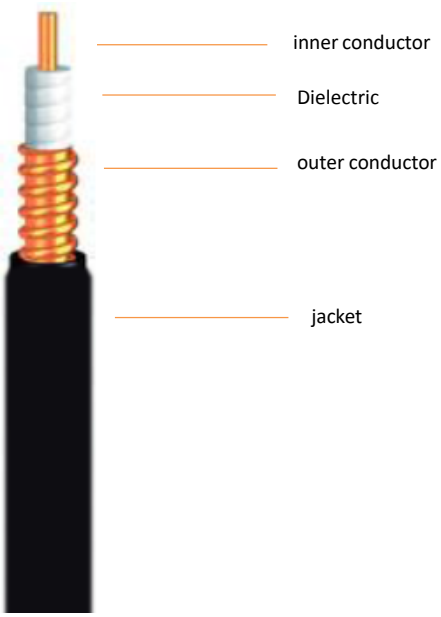
30-HEBXXXN-S2 | 1/2” Super Flexible RF Coaxial Cable

Cable Type : Super Flexible cable

OVERVEIW

Bridge 1/2” Super Flexible RF Coaxial Cable

Outline Diagram



Construction		
Inner conductor	Material	CCA
	Diameter	3.60 mm
Dielectric	Material	PFP
	Diameter	9.10 mm
Outer conductor	Material	HCT
	Diameter	12.00 mm
Jacket	Material	Black PE
	Thickness	＞0.6 mm
	Diameter	13.30 mm

Note:

Compliant with RoHS 2011/65 / EU

TECHNICAL DATA

Mechanical Characteristics		
Bending radius	Single bend	17 mm
	Repeated bend	55 mm
Tensile strength		600 N
Minimum Number of Bends		15
Recommended temperature	Storage	-55~+85 ℃
	Installation	-40~+60 ℃
	Operating	-55~+85 ℃

Electrical Characteristics	
Characteristic impedance	50 Ω
Capacitance	80 p F/m
Velocity	82 %
Cut-off Frequency	12.5 GHz
Insulation resistance	＞5000 MΩ/km
Peak power rating	19 KV
Peak voltage	1.13 V

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

Frequency	Attenuation @20℃	Power
100 MHz	3.22 dB/100m	3.03 kv
450 MHz	7.20 dB/100m	1.37 kv
800 MHz	9.86 dB/100m	1.00 kv
960 MHz	10.88 dB/100m	0.94 kv
1000 MHz	11.15 dB/100m	0.88 kv
1500 MHz	13.80 dB/100m	0.70 kv
1800 MHz	15.55 dB/100m	0.63 kv
2000 MHz	16.40 dB/100m	0.59 kv
2200 MHz	17.35 dB/100m	0.56 kv
2500 MHz	18.50 dB/100m	0.52 kv
3000 MHz	20.90 dB/100m	0.48 kv

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