



HRCAY-50-9

1/2 "SUPER FLEXIBLE RF CABLE

Applications : Jumper, BTS intercabinet connection, GPS line.

advantage : Excellent bending properties , Low loss , Better intermodulation performance.etc.

结构材料

Inner Conductor	Copper-Clad Aluminum Wire	3.60mm
Dielectric	Physical Foam Polyethylene	9.10mm
Outer Conductor	Corrugated Copper Tube	12.00mm
Jacket	Black PE	13.30mm

电气性能

Capacitance	80.0 pF/m
Impedance	50±1 Ω
Insulation Resistance	10000 MΩ.km
Sheath spark voltage	5000V
Velocity	82%
RF Peak Voltage	1.13 kV
Peak Power Rating	12kW
Cut-off Frequency	12.50 GHz
Shielding Effectiveness > 10MHz	> 120 dB
VSWR	
0.8~1.0GHz	26.4 dB (1.10)
1.7~2.2GHz	24.3dB (1.13)
2.2~2.7GHz	23.1dB (1.15)
3.3~3.6GHz	20.8dB (1.20)
4.8~5.0GHz	20.8dB (1.20)

机械性能

Single Bending	15mm
Repeated Bending	30mm

Minimum Number of Bends	15
Tensile Strength	650N
Compressive strength	19N/mm

环境性能

Storage Temperature	-55℃~+85℃
Installation Temperature	-40℃~+60℃
Operation Temperature	-55℃~+85℃
Ultraviolet resistance	IEC 60068-2-5; UL1581;

衰减

Frequency	Attenuation	Average Power
MHz	dB/100m	kW
100	3.13	3.03
150	3.93	2.39
200	4.51	2.11
280	5.49	1.69
450	6.99	1.37
800	9.57	1.00
900	10.25	0.94
1000	10.83	0.88
1500	13.40	0.70
1800	15.10	0.63
2000	15.92	0.59
2200	16.84	0.59
2400	17.57	0.53
2500	17.96	0.52
3000	20.29	0.48
3300	21.11	0.46
3600	22.19	0.43
4000	23.60	0.41
4500	25.29	0.38
4800	26.27	0.37
5000	26.91	0.36

*Typical value , Maximum 5%

标准要求

ISO 9001:2015	PASS
RoSH 2011/65/EU	PASS