

SPECIFICATION OF 7/8" FLEXIBLE FORM DIELECTRIC CABLE

GELVO TECHNOLOGY RF CABLE DEPT.



Telecommunication Technology & Engineering Accessories

Rev.V1.4

7/8"物理发泡皱纹铜管射频电缆 7/8" Form Dielectric Feeder Cable (HCTAY-50-22/ HCTAY-50-22ZR):

结构尺寸 Construction:

Item	Diameter	Material
内导体 Inner Conductor	9.0 mm	Copper Tube
绝缘体 Insulator	22.3 mm	Foamed polyethylene
外导体 Outer Conductor	25.0 mm	Annular corrugated copper tube
护套 Jacket	27.6 mm	Polyethylene/Low Smoke Halogen Free

机械性能 Mechanical Characteristics:

Item	Specification	Remarks
最小弯曲半径 Static Minimum Bending Radius	90mm 静态	Single bend
最小弯曲半径 Dynamic Minimum Bending Radius	250mm 动态	Repeat for 15 times
抗拉力 Tensile Strength	1470N	
电缆重量 Cable Weight	550kg/km	

电气性能 Electrical Characteristics:

Item	Specification	Remarks
特性阻抗 Characteristic Impedance	50Ω	
传输速比 Velocity	89%	Nominal value
最小绝缘电阻 Minimum Insulation Resistance	5000MΩ.km	DC 500V 1 minute
电容 Capacitance	75.0pF/m	Nominal value
耐电压 Dielectric Strength	DC10000V	1 minute
内导体直流电阻 Inner Conductor DC Resistance	1.04Ω/km	At 20℃
外导体直流电阻 Outer Conductor DC Resistance	1.05Ω/km	At 20℃
额定峰值功率 Peak Power Rating	91kW	
峰值电压 RF Peak Voltage	3000V	
典型电压驻波比 VSWR Typical Value	1.10	800-2200MHz
	1.13	2200-2700MHz
	1.20	2700-4000MHz

衰减系数和额定平均功率 Attenuation & Average Power Rating:

Frequency MHz	Attenuation dB/100m	Average Power kw	Frequency MHz	Attenuation dB/100m	Average Power kw
100	1.19	8.62	1800	5.73	1.79
150	1.47	7.20	2000	6.09	1.68
280	2.05	4.94	2500	6.78	1.50
450	2.64	3.88	2700	7.22	1.31
800	3.62	2.83	3000	7.68	1.22
900	3.87	2.65	3400	8.35	1.12
1000	4.10	2.50	4000	10.56	1.00
1500	5.16	1.99	5000	10.90	0.86



All specifications are subject to change without notice.

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Product Picture:

7/8" Standard type RF Cable



500Meter / Per Wooden Drum



Note: The picture is only for reference, please make the object as the standard.



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