

SPECIFICATION OF 1/2" SUPERFLEXIBLE FORM DIELECTRIC CABLE

GELVO TECHNOLOGY RF CABLE DEPT.



Communications Technology & Engineering Accessories

Rev.V1.2

1/2" Superflexible Form Dielectric Feeder Cable (HRCAY-50-9/ HRCAY-50-9ZR):

Cable Construction:

Item	Diameter	Material
内导体 Inner Conductor	3.60 mm	Copper clad aluminum wire
绝缘体 Insulator	9.10 mm	Foamed polyethylene
外导体 Outer Conductor	12.00 mm	Helical corrugated copper tube
护套 Jacket	13.30 mm	Polyethylene/Low Smoke Halogen Free

Mechanical Characteristics:

Item	Specification	Remarks
最小弯曲半径 Static Minimum Bending Radius	15mm	Single bend
最小弯曲半径 Dynamic Minimum Bending Radius	30 mm	Repeat for 15 times
抗拉力 Tensile Strength	650N	

Electrical Characteristics:

Item	Specification	Remarks
特性阻抗 Characteristic Impedance	50Ω	
传输速比 Velocity	82%	Nominal value
最小绝缘电阻 Minimum Insulation Resistance	5000MΩ.km	DC 500V 1 minute
电容 Capacitance	80pF/m	Nominal value
耐电压 Dielectric Strength	DC30000V	1 minute
内导体直流电阻 Inner Conductor DC Resistance	2.9Ω/km	At 20℃
外导体直流电阻 Outer Conductor DC Resistance	3.4Ω/km	At 20℃
额定峰值功率 Peak Power Rating	12kW	
峰值电压 RF Peak Voltage	1130V	
典型电压驻波比 VSWR Typical Value	1.15	800M-2700MHz
	1.20	3300M-3600MHz
	1.20	4800M-5000MHz

Attenuation & Average Power Rating:

Frequency MHz	Attenuation dB/100m	Average Power KW	Frequency MHz	Attenuation dB/100m	Average Power KW
100	3.15	3.03	1500	13.40	0.70
150	3.95	2.39	1800	15.12	0.63
200	4.55	2.11	2000	15.93	0.59
280	5.50	1.69	2500	17.96	0.52
450	7.00	1.37	3000	20.25	0.48
800	9.58	1.00	3600	22.20	0.43
900	10.26	0.94	4000	23.60	0.41
1000	10.86	0.88	5000	26.90	0.36

All specifications are subject to change without notice.

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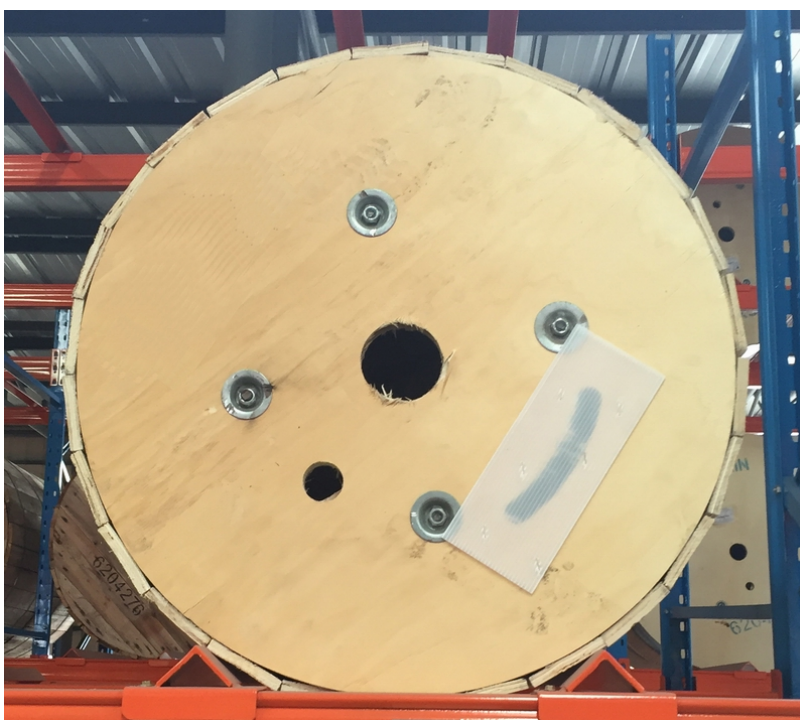


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1/2" SuperFlexible Form Dielectric Feeder Cable Picture



1/2" SuperFlexible Form Dielectric Feeder Cable Packing Picture (500 Meter)

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