

1/2" FLEXIBLE FORM DIELECTRIC CABLE

HCAAY-50-12 / HCAAY-50-12ZR



Tone Spread
Solutions for Wireless Signal

Specification of the 1/2" Form Dielectric Feeder Cable (Model: HCAAY-50-12 / HCAAY-50-12ZR):

Cable Construction:

Item	Diameter	Material
Inner Conductor	4.8 mm	Copper clad aluminum wire or copper wire
Insulator	12.3 mm	Foamed polyethylene
Outer Conductor	13.8 mm	Annular corrugated copper tube
Jacket	15.7 mm	Polyethylene or Low Smoke Halogen Free

Mechanical Characteristics:

Item	Specification	Remarks
Static Minimum Bending Radius	50 mm	Single bend
Dynamic Minimum Bending Radius	125 mm	Repeat for 15 times
Tensile Strength	1100 N	247lb

Electrical Characteristics:

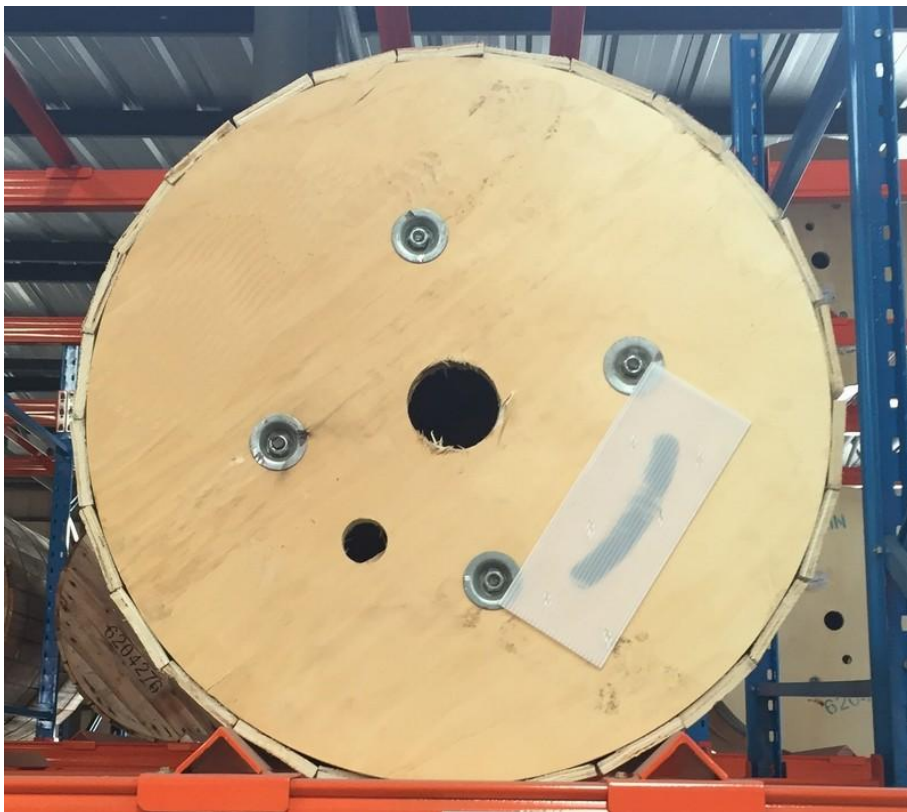
Item	Specification	Remarks
Characteristic Impedance	50±1Ω	
Velocity	88%	Nominal value
Minimum Insulation Resistance	5000MΩ.km	DC500V 1minute
Capacitance	76pF/m	Nominal value
Dielectric Strength	DC4000V	1 minute
Inner Conductor DC Resistance	1.6Ω/km	At 20°C
Outer Conductor DC Resistance	1.9Ω/km	At 20°C
Peak Power Rating	40kW	
RF Peak Voltage	1600V	
VSWR Typical Value	1.10	800M-1000MHz
	1.13	1700M-2500MHz
	1.20	2500M-4000MHz

Attenuation & Average Power Rating:

Frequency MHz	Attenuation dB/100m	Average Power kw	Frequency MHz	Attenuation dB/100m	Average Power kw
100	2.16	3.94	1800	10.05	0.86
150	2.67	3.17	2000	10.66	0.81
200	3.09	2.75	2200	11.24	0.77
280	3.69	2.27	2400	11.80	0.75
450	4.74	1.80	2500	12.08	0.73
800	6.45	1.33	3000	13.39	0.65
1000	7.28	1.18	3400	14.98	0.56
1500	9.08	0.95	4000	15.89	0.50



1/2"FlexibleFormDielectricFeederCablePicture



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

