

1 1/4" RF Coaxial Cable NO.7101112

Construction Parameters:

Inner Conductor		13.10±0.20mm Smooth Copper Tube
Insulation		32.80±0.50mm Foamed PE
Outer Conductor		35.80±0.30mm Annular Corrugated Copper Tube
Jacket		38.50±0.30mm PE or LSZH
ZION'S SKU		Short Description
SKU	7101112-PEBK-500M	1 1/4" RF Coax Cable PE Black Jacket (CPR Fca) 500M
	7101112-OEBK-500M	1 1/4" RF Coax Cable LSZH Black Jacket (CPR Eca) 500M
	7101112-xxxx-xxxM	xxxx-xxxM will be named by Test inquired and Packing Length.
Marking on Cable Jacket		ZION 1 1/4" RF COAXIAL CABLE 7101112-xxxx-xxxM

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 ±2 Ω
Velocity of Propagation	88%
Peak Power Rating	205 KW
Max. Operating Frequency	3.7 GHz
Insulation Resistance	>10000 MΩ.km
DC Breakdown Voltage	10000 V
Jacket Spark Test Voltage	8000 Vrms
Inner Conductor DC Resistance	≤ 1.50 Ω/km
Outer Conductor DC Resistance	≥ 1.20 Ω/km
Shielding Attenuation	≥ 120dB
VSWR	
800MHz-1000MHz	≤ 1.15
1700MHz-2200MHz	≤ 1.18
2200MHz-2700MHz	≤ 1.20
3300MHz-3700MHz	≤ 1.20
PIM	

Intermodulation (3rd order,2*20W) ≤ - 160 dBc



RF Feeder Coaxial Cable



Mechanical Properties:

Bending Radius (Single Bend)	200 mm
Bending Radius (Repeated Bend)	380 mm
Bending moment	50 Nm
Flat plate crush strength	10 N/mm
Tensile Strength	2500 N

Environmental Specifications:

	PE Jacket	LSZH Jacket
Installation Temperature	-40°C to +60 °C	-20°C to +60 °C
Operating Temperature	-55°C to +85 °C	-30°C to +80 °C
Storage Temperature	-70°C to +85 °C	-30°C to +80 °C

Attenuation(20°C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
200	1.19	9.40
450	1.92	6.07
800	2.67	4.45
900	2.86	4.18
1800	4.28	2.81
2000	4.48	2.67
2200	4.76	2.53
2500	5.15	2.34
2700	5.36	2.24
3000	5.72	2.11
3500	6.25	1.53
3800	6.78	1.39

※ Maximum attenuation value shall be 105% (some will be 110%) of above nominal attenuation value.

Regular Compliance/Standards/Certifications:

Fire Resistant	IEC 60754-1,-2; IEC 60332-1,-2; IEC 61034-1,-2; IEC 60332-3-24
RoHS	Compliant RoHS 2011/65/EU
REACH	Compliant
CPR	CPR EURO Level: Fca, Eca

Packing

Packing Length	500M (Standard)
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