

3/8" RF Coaxial Cable NO.7101104

Construction Parameters:

Inner Conductor		3.10±0.03mm Copper Clad Aluminum Wire
Insulation		8.00±0.20mm Foamed PE
Outer Conductor		9.50±0.25mm Annular Corrugated Copper Tube
Jacket		11.20±0.20mm PE or LSZH
ZION'S SKU		Short Description
SKU	7101104-PEBK-500M	3/8" RF Coax Cable PE Black Jacket (CPR Fca) 500M
	7101104-OEBK-500M	3/8" RF Coax Cable LSZH Black Jacket (CPR Eca) 500M
	7101104-xxxx-xxxM	xxxx-xxxM will be named by Test inquired and Packing Length.
Marking on Cable Jacket		ZION 3/8" RF COAXIAL CABLE 7101104-xxxx-xxxM

Electrical Characteristics:

Capacitance	78 pF/m
Impedance	50 ±1 Ω
Velocity of Propagation	85%
Peak Power Rating	12.8 KW
Max. Operating Frequency	15.1 GHz
Insulation Resistance	>10000 MΩ.km
DC Breakdown Voltage	2500 V
Jacket Spark Test Voltage	3000 Vrms
Inner Conductor DC Resistance	≤ 3.95 Ω/km
Outer Conductor DC Resistance	≤ 5.30 Ω/km
Shielding Attenuation	≥120dB
VSWR	
30MHz-2700MHz	≤ 1.15
3300MHz-4200MHz	≤ 1.20
4400MHz-5000MHz	≤ 1.20
PIM	
Intermodulation (3rd order,2*20W)	≤ - 158 dBc



RF 50ohms Coaxial Cable



Mechanical Properties:

Bending Radius (Single Bend)	50 mm
Bending Radius (Repeated Bend)	100 mm
Bending moment	1.9 Nm
Flat plate crush strength	14 N/mm
Tensile Strength	600 N

Enviromental 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	4.90	1.48
450	7.45	0.98
800	10.10	0.72
900	10.70	0.68
1800	15.60	0.47
2000	16.50	0.44
2200	17.30	0.42
2500	18.70	0.39
2700	19.60	0.37
3000	20.50	0.35
3400	22.30	0.32
4000	24.10	0.30
5000	27.40	0.27
6000	30.30	0.24

※ 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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