

7/8" RF Coaxial Cable NO.7101108

Construction Parameters:

Inner Conductor		9.00±0.10mm Smooth Copper Tube
Insulation		22.60±0.30mm Foamed PE
Outer Conductor		24.90±0.30mm Annular Corrugated Copper Tube
Jacket		27.50±0.30mm PE or LSZH
ZION'S SKU		Short Description
SKU	7101108-PEBK-500M	7/8" RF Coax Cable PE Black Jacket (CPR Fca) 500M
	7101108-OEBK-500M	7/8" RF Coax Cable LSZH Black Jacket (CPR Eca) 500M
	7101108-OB2BK-500M	7/8" RF Coax Cable LSZH Black Jacket (CPR B2ca-s1b,d0,a1) 500M
	7101108-xxxx-xxxM	xxxx-xxxM will be named by Test inquired and Packing Length.
Marking on Cable Jacket		ZION 7/8" RF COAXIAL CABLE 7101108-xxxx-xxxM

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 ±2 Ω
Velocity of Propagation	88%
Peak Power Rating	90 KW
Max. Operating Frequency	5.2 GHz
Insulation Resistance	>10000 MΩ.km
DC Breakdown Voltage	10000 V
Jacket Spark Test Voltage	8000 Vrms
Inner Conductor DC Resistance	≤ 2.65 Ω/km
Outer Conductor DC Resistance	≥ 2.30 Ω/km
Shielding Attenuation	≥ 120dB
VSWR	
690MHz-960MHz	≤ 1.15
1700MHz-2700MHz	≤ 1.20
3300MHz-4200MHz	≤ 1.20
PIM	
Intermodulation (3rd order,2*20W)	≤ - 160 dBc



RF Feeder Coaxial Cable



Mechanical Properties:

Bending Radius (Single Bend)	130 mm
Bending Radius (Repeated Bend)	250 mm
Bending moment	16 Nm
Flat plate crush strength	8 N/mm
Tensile Strength	1400 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	1.69	6.27
450	2.65	3.73
800	3.64	2.49
900	3.86	2.34
1800	5.76	1.73
2000	6.12	1.63
2200	6.46	1.40
2500	6.97	1.33
2700	7.28	1.25
3000	7.76	1.16
3500	8.35	1.05
4000	9.09	0.99
5000	10.46	0.94

※ 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, B2ca-s1b,d0,a1

Packing

Packing Length	500M (Standard)
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