

1 5/8" RF Coaxial Cable NO.7101114

Construction Parameters:

Inner Conductor		17.30±0.20mm Helical Corrugated Copper Tube
Insulation		42.50±0.50mm Foamed PE
Outer Conductor		46.50±0.30mm Annular Corrugated Copper Tube
Jacket		49.50±0.30mm PE or LSZH
ZION'S SKU		Short Description
SKU	7101114-PEBK-500M	1 5/8" RF Coax Cable PE Black Jacket (CPR Fca) 500M
	7101114-OBK-500M	1 5/8" RF Coax Cable LSZH Black Jacket 500M
	7101114-xxxx-xxxM	xxxx-xxxM will be named by Test inquired and Packing Length.
Marking on Cable Jacket		ZION 1 5/8" RF COAXIAL CABLE 7101114-xxxx-xxxM

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 ±2 Ω
Velocity of Propagation	88%
Peak Power Rating	310 KW
Max. Operating Frequency	2.75 GHz
Insulation Resistance	>10000 MΩ.km
DC Breakdown Voltage	15000 V
Jacket Spark Test Voltage	10000 Vrms
Inner Conductor DC Resistance	≤ 1.50 Ω/km
Outer Conductor DC Resistance	≥ 0.75 Ω/km
Shielding Attenuation	≥ 120dB
VSWR	
800MHz-1000MHz	≤ 1.15
1700MHz-2200MHz	≤ 1.20
2200MHz-2700MHz	≤ 1.20
PIM	
Intermodulation (3rd order,2*20W)	≤ - 160 dBc



Mechanical Properties:

Bending Radius (Single Bend)	280 mm
Bending Radius (Repeated Bend)	500 mm
Bending moment	60 Nm
Flat plate crush strength	16 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	0.99	11.80
450	1.57	7.45
800	2.19	5.33
900	2.35	4.97
1800	3.58	3.26
2000	3.82	3.05
2200	4.05	2.80
2400	4.30	2.69
2500	4.42	2.64
2700	4.70	2.43

※ 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

Packing

Packing Length	500M (Standard)
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