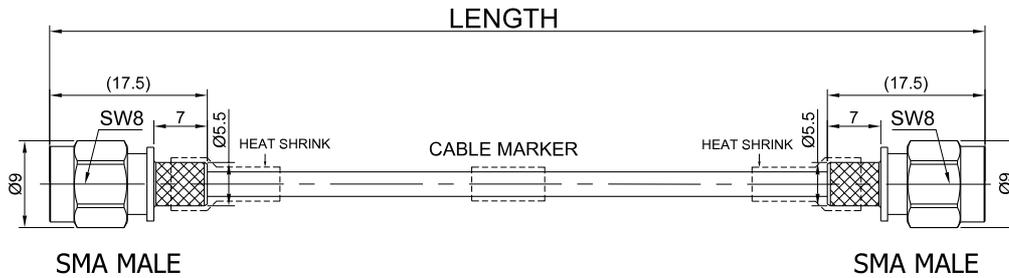


P/N: FRN8-SMMSMM-XXX

SMA Male to SMA Male Cable Assembly | LMR240 Flexible Coax Cable With PE Jacket | DC - 6GHz



Dimensions are in mm



## Connectors Configuration

	Connector 1	Connector 2
Connector Series	SMA	SMA
Connector Polarity	Standard	Standard
Connector Gender	Male	Male
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Brass	Brass
Connector Body Plating	Nickel	Nickel

## Cable Configuration

Cable Type	LMR240
Cable Impedance (Ohm)	50
Inner Conductor Material	Copper-clad aluminum wire
Dielectric Material	Foam PE
Number of Shields	2
Shield Layer 1 Material	Aluminum Tape
Shield Layer 2 Material	Tinned copper Braid
Jacket Material	PE
Cable Diameter (mm)	6.1
Cable Color	Black
Minimum Bend Radius (mm)	19.1
Capacitance (pF/m)	79
Velocity of Propagation	83%
Shielding Effectiveness	> -90dB @ 1GHz

## Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
500	±5	DC - 6GHz	1.35 to 6GHz	0.60 to 6GHz
800	±10			0.86 to 6GHz
1000	±10			1.0 to 6GHz
1500	±15			1.25 to 6GHz
2000	±20			1.60 to 6GHz
3000	±30			2.30 to 6GHz
5000	±50			3.80 to 6GHz

## Environmental Specifications

RoHS Compliant

Yes

Operating Temperature Range

-40 °C to +80 °C

MIL/STD

N/A

## Revision History

Version	Description	Prepared By	Approved By	Date