成都巨人微波
TITAN MICROWAVE INC.
- A Professional RF & Microwave Components Supplier -

TMR400

50 Ohm Communications Coaxial Cable
DC～3GHz

Features

- Low VSWR
- Low Loss
- Good Flexibility

Applications

- RF Systems
- Wireless Communications

Specifications

Electrical

Operating Frequency	DC～3GHz
Impedance	50±3Ω
Capacitance	79±3 pF/M
Velocity of Propagation	85%
Inner Conductor DC Resistance	4.91 Ω/km
Outer Conductor DC Resistance	6.92 Ω/km
Shielding Effectiveness	＞90dB
Insulation Resistance	1000 MΩ·km
Dielectric Strength	2500 Vdc
Voltage Withstand of Jacket	8000 Vac
Peak Power	16 kW
Tensile Strength	70 kg

Environmental & Mechanical

Min Bending Radius/Single	51.5mm
Min Bending Radius/Repeated	103mm
Temperature Range	-20℃～+80℃

Attenuation & Average Power@20℃(sea level)

Frequency(MHz)	30	50	150	200	220	450	900	1500	1800	2000	2500	3000
Attenuation(dB/100m)	3.5	2.9	5.1	5.9	6.2	8.9	12.8	16.9	18.6	19.7	22.2	24.6
Power Handling(kW)	2.77	2.1	1.22	1.07	1.0	0.69	0.48	0.36	0.32	0.31	0.28	0.26

Construction

Inner Conductor	Solid Bare Copper	2.74mm
Dielectric	Physically Foamed Polyethylene	7.24mm
Inner Shield	Aluminum Tape	7.45mm
Outer Shield	Tinned Copper Wire Braid	8.05mm
Jacket	Black PVC	10.3mm

Outline

Ordering Information

TMR400	-	**3**	-	**XXXX**	-	**1**
Cable Code						
Max Frequency(GHz)						
RF Connectors						
Overall Length(meter(s))						

For other connector options, contact factory.