



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	7.27 Ω/km
Outer Conductor DC Resistance	12.71 Ω/km
Shielding Effectiveness	>90dB
Insulation Resistance	1000 MΩ·km
Dielectric Strength	2000 Vdc
Voltage Withstand of Jacket	5000 Vac
Peak Power	10 kW
Tensile Strength	50 kg

Environmental & Mechanical

Min Bending Radius/Single	38mm
Min Bending Radius/Repeated	76mm
Temperature Range	-20°C~+80°C

Attenuation & Average Power@20°C (sea level)

Frequency(MHz)	30	50	150	200	220	450	900	1500	1800	2000	2500	3000
Attenuation(dB/100m)	3.5	4.5	7.9	9.2	9.6	13.8	19.9	26	28.7	30.3	34.2	37.8
Power Handling(W)	1780	1380	580	670	650	450	310	240	220	210	180	170

Construction

Inner Conductor	Solid Bare Copper	1.78mm
Dielectric	Physically Foamed Polyethylene	4.83mm
Inner Shield	Aluminum Tape	5.00mm
Outer Shield	Tinned Copper Wire Braid	5.50mm
Jacket	Black PVC	7.60mm

Ordering Information

TMR300	-	3	-	XXXX	-	1
Cable Code						
Max Frequency(GHz)						
RF Connectors						
Overall Length(meter(s))						

For other connector options, contact factory.

Outline

