

# RG179TX

High performance 50ohm flexible coaxial cable

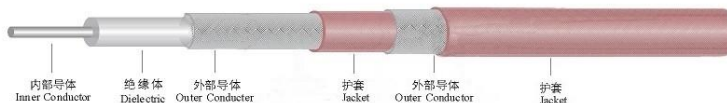
Ver A/0 Release Date Match, 2018



P/N: 3179T

## Features&Benefits

- 70%Vp PTFE+ Double TPC Wire Braiding
- Low loss, Flexible, Low Cost
- Equivalent to Triax RG179
- Replace to



## Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.306(7*0.101)	±0.01	Silver Plated Copper
2	Dielectric	1.60	±0.05	Extruded PTFE
3	Outer conductor	2.04	±0.05	Silver Plated Copper Shield
4	Jacket	2.54	±0.15	Fluorinated Ethylene Propylene(FEP)
5	Outer conductor	3.22	±0.05	Silver Plated Copper Shield
6	Jacket	3.67	±0.15	Fluorinated Ethylene Propylene(FEP)
				Brown or Customize

## Mechanical&Environmental Specifications

## RoHS

Bend Radius:installation (mm)	18	RoHS	Compliant
Bend Radius:repeated (mm)	36		
Weight (g/m)	35 max.		
Temp, Operating&Installation (°C)	-55~200(FEP)		
Temp, Storage (°C)	-55~200(FEP)		

## Electrical Specifications

Characteristic Impedance(ohm)	75±2	Time delay	4.7
Capacitance(pF/m)	96	Max Working Power(Vrms)	1500
Velocity ratio(%)	70	Shielding Effect(dB~1GHz)	> 80
Cutoff frequency(GHz)	6		

## Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

Frequency MHz	100	400	900	1000	1800	2400	3000	6000
dB/100 m	31.0	57.0	86.0	91.0	123.0	142.0	160.0	228.0
Avg.Power kW	0.880	0.420	0.270	0.260	0.190	0.160	0.155	0.100

Maximum attenuation is 10% higher.

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