



## PT195 Premium Low-Loss RF Communications Cable



RFMAX PT195 cable is designed for applications from 30 MHz to 6 GHz.

### Features

- Outdoor rated: UV stable jacket and water resistant construction
- Easily routed, flexible construction
- High performance, lightweight design
- Ideal for RF applications including GPS, LMR, WLAN, SCADA, PTC, etc.

### Typical Attenuation By Frequency

Frequency	Attenuation (dB/100ft)
30 MHz	2.0 dB
50 MHz	2.5 dB
150 MHz	4.4 dB
220 MHz	5.4 dB
450 MHz	7.8 dB
700 MHz	9.8 dB
800 MHz	10.5 dB
900 MHz	11.1 dB
1500 MHz	14.5 dB
2000 MHz	16.9 dB
2500 MHz	19.0 dB
5800 MHz	29.9 dB

### Electrical Characteristics

Capacitance (pF/ft)	Impedance (Ohms)	Velocity (%)	DC Resistance ( $\Omega$ /1000ft)		Shielding Effectiveness (dB)
			Inner Conductor	Outer Conductor	
25.4	50	80	< 7.6	< 4.9	> 90

Jacket Spark (VAC)	Cut Off Frequency (GHz)	Peak Power (kW)
3000	41	2.5

### Mechanical/Environmental Specifications

Bend Installation Radius (Min.)	Bend Repeated Radius (Min.)	Storage Temp.	Installation Temp.	Operating Temp.
12.7 mm	50.8 mm	-70 to +85°C -94 to +185°F	-40 to +85°C -40 to +185°F	-40 to +85°C -40 to +185°F

### Construction Specifications

Cable Section	Material	Diameter
Jacket	Polyethylene	.195 in (4.95mm)
Braid	Tin Plated Copper	.139 in (3.53mm)
Outer Conductor	Aluminum Tape	.116 in (2.94mm)
Dielectric	Foam Polyethylene	.110 in (2.79mm)
Inner conductor	Solid BC	.037 in (.94mm)