



# CROWN ELECTRONICS



2005A INDUSTRIAL BLVD. ROCKWALL, TX 75087 972-771-4711 800-225-3429 (fax) 972-771-9499

## SW 195 LOW LOSS CABLE

3/31/09

= to Times Microwave LMR ® series

- High performance – 50 ohm
- UV Resistant PE (Polyethylene)
- Available in Waterproof or Riser Rated
- Manufactured by Coleman Cable
- 100% sweep tested to 5.8 GHz
- 500' or 1000' spools

### 195 series specifications

Part# / Design	Cap. (pF/ft)	Imp. (ohms)	Vel. (%)	Shield Effect (dB)	Jkt Spark (VAC)	Cutoff Freq (GHz)	Peak Pwr (kW)	Volt Withstd (VDC)	Inner Cond.		Dielectric		Outer Cond.		Jacket		Atten/Avg Pwr 68°F				
									D.C.R. (/M')	Nom Diam (In)	Nom Diam (In)	D.C.R. (/M')	Nom Diam (In)	Nom Diam (In)	Min Bend Radius	Stor Temp (°F)	Install Temp (°F)	Oper Temp (°F)	Freq (MHz)	Atten (dB/100ft)	Avg Pwr (kW)
Standard Outdoor	24.3	50	80	90	3,000	41	2.5	1,000	7.6	0.037	0.110	4.9	0.139	0.195	0.50	-94 to +185	-40 to +185	-40 to +185	30	2.00	0.89
									Solid Copper	Foam PE/ Bonded Alum. Foil + Tinned	Copper Braid	PE	50	50	50	150	2.60	0.68			
													150	4.40	0.39						
													220	5.40	0.32						
450	7.80	0.22																			

## SW195 CONNECTORS

### TYPE N CROWN P/N

N (M)	CRN-1100
N (F)	CRN-1125
N (M) 90	CRN-1503
N (F) BLKHD	CRN-1128

### TNC CROWN P/N

TNC (M)	CRT-3100
TNC (M) 90	CRT-3102
TNC (F)	CRT-3125

### BNC CROWN P/N

BNC (M)	CRB-2100
BNC (F)	CRB-2501
BNC (M) 90	CRB-2505

### UHF CROWN P/N

UHF (M)	CRU-4100
UHF (F)	CRU-4125

### SMA CROWN P/N

SMA (M) GOLD	CRS-6200
SMA (M) 90	CRS-6101
SMA (F)	CRS-6125

### MINI UHF CROWN P/N

M UHF (M)	CRMU-5100
M UHF (M)	CRMU-5101
M UHF (F)	CRMU-5125

- 2 pc.

- 3 pc.

\* All connectors are crimp style

\*\*\* FOR A CURRENT QUOTE PLEASE CALL OR E-MAIL: [sales@crownelectronics.com](mailto:sales@crownelectronics.com)



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## SW-195

### Signa-Wave™ – 195 Series Flexible Communications Cable

1	Conductor Size	18-19 Ga. Approx.
2	Conductor Type	Solid Copper
3	Conductor Diameter	.037"
4	Insulation Type	Foam Polyethylene
5	Insulation Diameter	.110"
6	Shield 1 Size/Type	Bonded Aluminum Foil + Tinned
7	Shield 2 Size/Type	Copper Braid
8	Shield Diameter	.139" NOM
9	Shielding Effectiveness	90 dB
10	Jacket Type	Black Polyethylene or PVC
11	Temperature Range	-40 to +185F
12	Voltage Withstand	1000 VDC (Peak Power – 2.5KW)
13	Jacket Color	Black
14	Jacket Diameter	.195" (Min Bend Radius – 0.5")
15	Impedance (OHMS)	50 OHMS
16	Capacitance (pF/ft.)	24.3 pF/ft
17	Velocity of Propagation	80%
18	DC Resistance	Inner Conductor 7.6 Ohm/1000' Outer Conductor 4.9 Ohm/1000'
19	Cutoff Frequency	41 GHZ

### Nominal Attenuation (db/100')

	<u>SW-195</u>	<u>LMR195®</u>	<u>RG-58</u>	<u>RG-142</u>	<u>RG-223</u>
150MHz	4.4	4.3	5.6	4.7	4.9
450MHz	7.8	7.5	10	8.3	8.7
900MHz	11.1	10.7	14.5	12.1	12.7
1500MHz	14.5	13.4	19.1	16.1	16.8
2000MHz	16.9	16.1	22.4	18.9	19.7
2500MHz	19	18.1	25.3	21.4	22.3

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