



# CROWN ELECTRONICS



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## SW 195 LOW LOSS CABLE

= 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

## CONSTRUCTION INFORMATION

|    |                         |  |
|----|-------------------------|--|
| 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'<br>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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## 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) RP | CRT-3101R |
| TNC (M) 90 | CRT-3102  |
| TNC (F)    | CRT-3125  |

| BNC        | CROWN P/N |
|------------|-----------|
| BNC (M)    | CRB-2100  |
| BNC (F)    | CRB-2501  |
| BNC (F) BH | CRB-2503  |
| BNC (M) 90 | CRB-2505  |

| SMA          | CROWN P/N |
|--------------|-----------|
| SMA (M) GOLD | CRS-6200  |
| SMA (M) RP   | CRS-6200R |
| SMA (M) 90   | CRS-6101  |
| SMA (F)      | CRS-6125  |
| SMA (F) BH   | CRS-6130  |

| UHF     | CROWN P/N |
|---------|-----------|
| UHF (M) | CRU-4100  |
| UHF (F) | CRU-4125  |

| MINI UHF      | CROWN P/N |
|---------------|-----------|
| M UHF(M) 2pc  | CRMU-5100 |
| M UHF (M) 3pc | CRMU-5101 |
| M UHF (F)     | CRMU-5125 |

**\* ALL CONNECTORS ARE CRIMP STYLE**

**\* "RP" IN DESCRIPTION DENOTES REVERSE POLARITY**

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