

# Cable Coaxial LMR195

**Carrete de 305 Metros**



| Descripción           | Material                    | mm   | Inches |
|-----------------------|-----------------------------|------|--------|
| 1. Conductor Interno  | Cobre sólido                | 0.94 | 0.037  |
| 2. Espuma Dielectrica | PE (Polietileno)            | 2.79 | 0.110  |
| 3. Conductor Externo  | Cinta de aluminio           | 2.95 | 0.116  |
| 4. Tranzado total     | 36 AWG estaño de cobre, 90% | 3.53 | 0.139  |
| 5. Chaqueta           | FR-PVC Negro                | 4.95 | 0.195  |

| Características de Rendimiento | Unidad       | US         | Métrico    |
|--------------------------------|--------------|------------|------------|
| Curva de radio mínimo          | In. - mm     | 1          | 25         |
| Fuerza de tensión              | lb - kg      | 40         | 18.2       |
| Peso del Cable                 | lb/ft - kg/m | 0.021      | 0.03       |
| Temperatura Operacional        | F - C        | -4° a 140° | -20° a 60° |

| Características de desempeño       | Unidad                | US   | Métrico |
|------------------------------------|-----------------------|------|---------|
| Frecuencia de corte                | GHz                   | 41   | 41      |
| Energía máxima                     | kW                    | 2.5  | 2.5     |
| Propagación de Velocidad           | %                     | 80   | 80      |
| Impedance                          | ohms (Ω)              | 50   | 50      |
| Capacidad                          | pF/ft - pF/m          | 24.3 | 79.69   |
| DC Resistencia - Conductor Interno | ohms/1000ft - ohms/km | 7.60 | 24.90   |
| DC Resistencia - Conductor Externo | ohms/1000ft - ohms/km | 4.90 | 16.10   |
| Efectividad de escudo              | dB                    | >90  | >90     |
| Chispa de chaqueta                 | Volts RMS             | 2500 | 2500    |

| Frecuencia (MHz) | dB/100 Pies | dB/100 Metros | Av. Energía (kW) |
|------------------|-------------|---------------|------------------|
| 30               | 2           | 6.5           | 0.89             |
| 50               | 2.5         | 8.4           | 0.68             |
| 150              | 4.4         | 14.6          | 0.39             |
| 220              | 5.4         | 17.7          | 0.32             |
| 450              | 7.8         | 25.5          | 0.22             |
| 800              | 10.5        | 34.3          | 0.15             |
| 900              | 11.1        | 36.5          | 0.16             |
| 1500             | 14.5        | 47.7          | 0.12             |
| 1800             | 16          | 52.5          | 0.11             |
| 2000             | 16.9        | 55.4          | 0.10             |
| 2200             | 17.8        | 58.3          | 0.09             |
| 2400             | 18.6        | 61.1          | 0.09             |
| 2500             | 19          | 62.4          | 0.09             |
| 3500             | 22.7        | 74.7          | 0.07             |
| 5800             | 29.9        | 98.1          | 0.06             |