

Item # M17/127-RG393 MIL-C-17 coaxial and twinaxial cables



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**MIL-C-17 coaxial and twinaxial cables**  
Thermax/CDT Mil-C-17 cables are constructed with either solid or stranded silver plated conductors insulated with an extruded PTFE (polytetrafluoroethylene) dielectric. The outstanding electrical and mechanical properties of PTFE over a broad range of temperatures and frequencies make these Thermax/CDT coaxial cables the standard for a wide range of military and commercial applications.

Specifications

|  |   |
|--|---|
| Conductor Diameter - inches (mm)                         | .094 (3.45)                                   |
| Conductor Type   | SPC (Silver-plated copper)                    |
| Impedance  | 50Ω   |
| Max. Working Voltage                                     | 1,875   |
| Jacket Diameter - inches (mm)                            | .390 (9.91)                                   |
| Capacitance (pF/ft)                                      | 32.0 (105)                                    |
| Weight - pounds/1000 feet (Kg/1000 M)                    | 160 (238)                                     |
| Attenuation @ 100 MHz (dB/100 ft.)                       | 2.4   |
| Attenuation @ 1 GHz (dB/100 ft.)                         | 8.8   |
| Attenuation @ 400 MHz (dB/100 ft.)                       | 5.0   |
| Insulation Diameter - inches (mm)                        | .285 (7.24)                                   |
| Jacket Type  | Extruded FEP (Fluorinated Ethylene Propylene) |
| Insulation Type  | Extruded PTFE (polytetrafluoroethylene)       |
| Braid Type   | Double 34 SPC (Silver-plated copper)          |
| Braid Diameter - inches (mm)                             | .340 (8.64)                                   |
| Max. Conductor Resistance - Ohm/100 ft. (ohm/100 meters) | .152 (.499)                                   |
| Min. Dielectric Strength - KV RMS                        | 7.50  |
|  |   |

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|--|---------|
| <b>Min. Corona Extinction - KV RMS</b> | 2.50    |
| <b>Max. Power @ 100 MHz (Watts)</b>    | 4,100   |
| <b>Max. Power @ 400 MHz (Watts)</b>    | 1,200   |
| <b>Max. Power @ 1 GHz (Watts)</b>      | 290     |
| <b>Thermax Type</b>                    | RGS-393 |
| <b>Cable Type</b>                      | Coaxial |

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