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Item # 900-142 LTE high-performance coaxial cables (RG replacement)

LTE is a patented low-density, air-expanded PTFE dielectric which provides reduced weight and increased velocity of propagation (up to 85%). LTE dielectric also exhibits low loss and stable performance throughout its temperature range. These cables are ideal replacements for MIL-C-17 cables in demanding applications such as aerospace and high-reliability commercial systems.

- 875-892 is a replacement for RG-179 (M17/94).
- 900-142 is a replacement for RG-142 (M17/60,/158). • 900-316 is a replacement for RG-316 (M17/113,
- /172).

• 900-393 is a replacement for RG-393 (M17/127, /174).

| Specifications | |
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| Temperature rating (°C) | 200 |
| Impedance | 50Ω |
| Dielectric | LTE (extruded low-density PTFE) or low density / composite |
| Dielectric Diameter - inches (mm) | .145 (3.68) |
| Inner shield | Flat silver-plated copper braid, 95% coverage. |
| Outer shield | Silver-plated copper braid, 95% nominal coverage. Can be provided with optional shield types such as flat braid, tape composites, or combinations. |
| Jacket | Extruded FEP. |
| Jacket Diameter - inches (mm) | .190 (4.83) |
| Inner Conductor Diameter - inches (mm) | .051 (1.30) |
| Inner Conductor Stranding | Solid SPC (Silver-plated copper) |
| Inner Shield Diameter - inches (mm) | .153 (3.85) |
| Outer Shield Diameter - inches (mm) | .171 (4.34) |
| Min. Bend Radius - inches (mm) | 1.0 (25.4) |
| Capacitance (pF/ft) | 26.0 |
| Velocity of Propagation | 79% |
| Time Delay ns/foot | 1.28 |
| Weight - pounds/1000 feet (Kg/1000 M) | 39.0 (57.8) |
| Attenuation @ 100 MHz (dB/100 ft.) | 2.8 |
| Attenuation @ 500 MHz (dB/100 ft.) | 6.5 |
| Attenuation @ 1 GHz (dB/100 ft.) | 9.4 |
| Attenuation @ 2 GHz (dB/100 ft.) | 14.0 |
| Attenuation @ 5 GHz (dB/100 ft.) | 23.0 |