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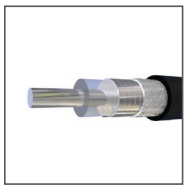
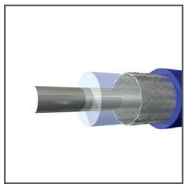
Aerospace & Defense Test & Measurement

RF/Microwave Coax, FEP Flat Ribbon, Composite *(Bundled)* and Low Inductance Cable

	APPLICATION	KEY FEATURES	CONSTRUCTION
Temp-Flex® Solid-Core Low-Loss Flexible Microwave Coaxial Cable  **Series 100067**	**Aerospace and Defense** Radar Missiles Satellites Military vehicles **Test and measurement** Device Under Test *(DUT)* cards	Shield OD down to 0.104mm (0.041") 70% Velocity of Propagation *(VoP)* Flexible Tight time domain tolerance <± 5ps/ft Impedance 50 ohms ± 1 ohm Bandwidth potential up to 110GHz	Signal Conductor Size: 31 to 19 AWG Solid or stranded conductors Signal Conductor Type: Silver plated copper *(SPC)* Signal Insulation: Proprietary low loss FEP Inner Shield: Helically wrapped flat *(SPC)* Outer Shield: Braid *(SPC)* Jacket Material: FEP, Polyurethane, Halogen Free, others
Temp-Flex® Air-Dielectric Ultra-Low-Loss Flexible Microwave Coaxial Cable  **Series 100054**	**Aerospace and Defense** Radar Missiles Satellites Military vehicles **Test and Measurement** Device Under Test (DUT) cards	Shield OD down to 0.84mm (0.033") 85 to 88 % Velocity of Propagation *(VoP)* Flexible Tight time domain tolerance <± 5 ps/ft Impedance 50 ohms ± 1 ohm Bandwidth potential up to 140 GHz	Signal Conductor Size: 32 to 17 AWG Solid or stranded conductors Signal Conductor Type: Silver Plated Copper *(SPC)* Core Tube: Proprietary Low Loss FEP Inner Shield: Helically wrapped flat *(SPC)* Outer Shield: Braid *(SPC)* Jacket Material: FEP, Polyurethane, Halogen Free, others
Temp-Flex® Standard Coaxial Cable  **Series 100066 and 100055**	**Aerospace and Defense** **Test and Measurement** Memory tester	Flexible melt extruded dielectric OD down to 0.84mm (0.033") Air enhanced dielectric optional Impedance: 50 or 75 ohms Delay Tolerance: <±5 ps/ft	Signal Conductor Size: 32 to 17 AWG Solid or stranded conductors Shield: Braid, double braid, serve, dual serve Jacket Material: FEP, Polyurethane, Halogen Free, others
Temp-Flex® Ribbon Coaxial Cable (Intermittent)  **Series 100058**	**Aerospace and Defense** **Test and Measurement** Memory tester	Flexible melt extruded dielectric OD down to 0.84mm (0.033") Air enhanced dielectric optional Impedance: 50 or 75 ohms Tight skew tolerance Routing management Intermittent ribbon *(optional)*	Signal Conductor Size: 32 to 24 AWG Solid or stranded conductors Shield: Braid, double braid, served, foil and drain Jacket Material: THV, PVDF

Aerospace & Defense Test & Measurement

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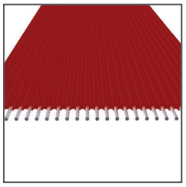
	APPLICATION	KEY FEATURES	CONSTRUCTION
Temp-Flex® FEP Flat Ribbon Cable  **Series 100057**	**Aerospace and Defense** Flight recorder box Satellite Radar Missile systems	Mil-C-49055 Extruded, not laminated Withstands harsh environments, abrasion resistant, chemical resistant High flex life Broad temperature range: -65 to +200°C No outgassing under vacuum at maximum temperature Tight pitch control Compatible with IDCs	Signal Conductor Size: 32 to 16 AWG Solid or stranded conductors Conductor Material: Bare copper, silver plated copper, high strength alloy Pitch down to 0.3175mm (.0125") Insulation: FEP
Temp-Flex® Bundled Cable  **Series 100062**	**Aerospace and Defense** Radar Missiles Satellites Military vehicles Instrumentation and control Vision systems In-flight entertainment	Cabling our competencies into a robust solution Highly customizable	Choose Components: Primary, twisted pair, coax, twinax, triax, quad, ribbon cable Optional Shield: Serve, braid, foil Jacket: ETFE, FEP, PFA THV, PVDF, Polyurethane
Temp-Flex® Low Inductance Cable  **Series 100066**	**Aerospace and Defense** **Test and Measurement** High frequency switching **Power Management**	High temperature insulation High current capacity Tight mechanical tolerances	Signal Conductor Size: 26 to 10 AWG Stranded conductors Insulation: Extruded or tape wrapped Shield: Braid, double braid, served Jacket Material: FEP, Polyurethane, others Optional triax

Temp-Flex products have applications in a variety of industries:

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Automotive
Commercial Vehicle
Data/Computing
Industrial Automation
Medical
Telecommunications/Networking
Test and Measurement

Aerospace and Defense



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