



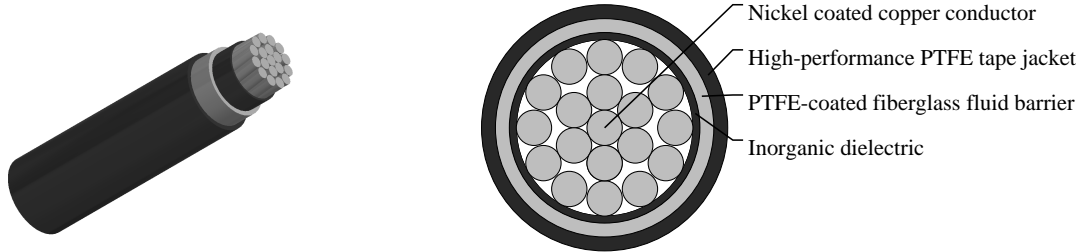
# Caledonian

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## MIL-W-25038/3 Thermazone IIIG 1C18AWG



### APPLICATIONS

These PTFE insulated single-core MIL-W-25038/3 cables are used in such aerospace applications as engine compartments, fire detection circuits, flight-critical circuits, and fly-by-wire systems. MIL-W-25038/3(Thermazone IIIG)wires also meet or exceed the requirements of MIL-W-25083/3, but provide this performance at a lower cost through the use of an innovative insulation system.

### VOLTAGE RATING

600V

### CABLE CONSTRUCTION

Conductor: Stranded 27% Nickel coated copper conductor

Insulation:

Outer: PTFE-coated fiberglass fluid barrier

Inner: Inorganic dielectric

Jacket: Fused high-performance polytetrafluoroethylene (PTFE) tape jacket

Identification: Surface printed per MIL-W-25038

### COLOUR CODE

Color coded: MIL-STD-104

### PHYSICAL AND THERMAL PROPERTIES

Temperature Range: -55°C to +260°C

### DIMENSION AND PARAMETERS

AWG Size	Conductor Stranding	Conductor Diameter	Conductor Diameter	Overall Diameter (min.)	Overall Diameter (min.)	Overall Diameter (max.)	Overall Diameter (max.)	Approx. Weight	Max. Resistance at 20°C
		in	mm	in	mm	in	mm	LBS/MFT	OHMS/MFT
18	19/30	0.05	1.27	0.065	1.651	0.097	2.464	10.5	8.5