



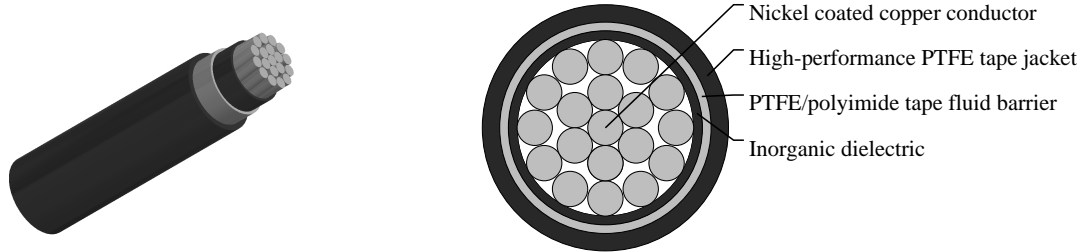
# Caledonian

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## MIL-W-25038/3 Thermazone IIIK 1C20AWG



### 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 IIIK) wires are designed for critical circuit applications where wires must operate in extremely harsh environments, under vibration, and with direct flame exposure.

### VOLTAGE RATING

600V

### CABLE CONSTRUCTION

Conductor: Stranded 27% nickel coated high-strength copper alloy conductor

Insulation:

Outer: PTFE/polyimide tape 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
20	19/32	0.04	1.016	0.048	1.219	0.083	2.108	9	15.3