



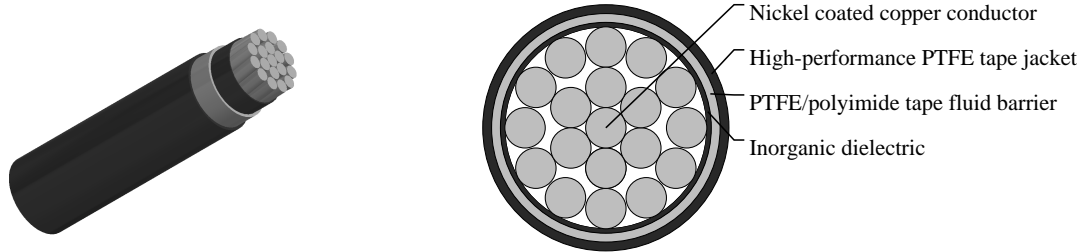
Caledonian

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MIL-W-25038/3 Thermazone IIIK 1C12AWG



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 copper 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
12	19/25	0.09	2.286	0.1	2.54	0.142	3.607	28	2.78