



M25038/3 Construction

	1. Conductor	27% Nickle Plated Copper/Alloy
	2. Insulation 1	Mica Tape
	3. Insulation 2	Fiberglass Coated PTFE Tape
	4. Jacket	PTFE Tape

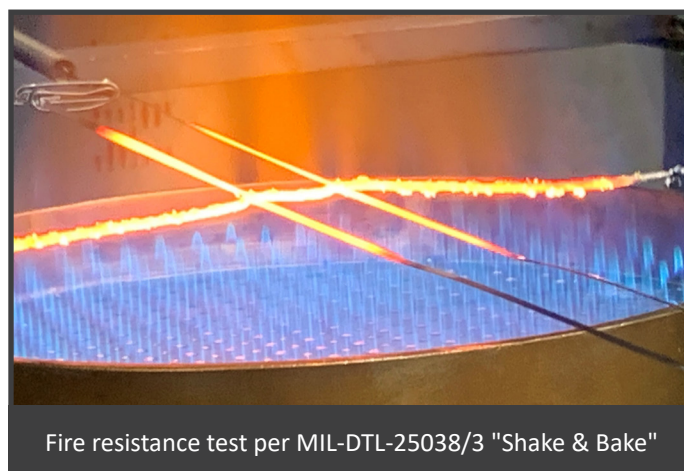
Cable Construction Variants

Conductors	20 - 22 AWG: 27% Nickle-plated Copper Alloy
	12 -18 AWG: 27% Nickle-plated Copper
Insulation	Mica Tape/Fiberglass Coated PTFE Tape/PTFE Tape
	Mica Tape/Polyimide/PTFE Tape (V00322H only)

AeroPOWER® FIREZONE Cables are built specifically to withstand the extreme temperatures of an aircraft engine environment and other harsh environments.

Key Benefits

- » Voltage 600 V
- » Temperature rated to 260 C
- » Meets or exceeds the MIL-DTL-25038/3 requirement
- » Fire Resistant: 15 minutes at 2000 F
- » Insulation Resistance meets 50 Ohms requirement up to 15,000 Ohms on 20 AWG
- » Thermal Shock 0.060" max change
- » Meets high temperature endurance requirements:
 - 100 hours at 343 C
 - Fluid immersion
 - Bend
 - Wet Dielectric



Fire resistance test per MIL-DTL-25038/3 "Shake & Bake"

M25038/3 Cables

Part No.	Size (AWG)	Stranding	Conductor Diameter (Nom)	Conductor DC Resistance (ohms/1000 ft) Max	Cable Diameter (Min)	Cable Diameter (Max)	Cable Weight (lbs/1000 ft) Nom
V00322-*	22	19 x 34	0.0296	23.7	0.040	0.054	4.14
V00322H-*	22	19 x 34	0.0296	23.7	0.055	0.075	6.00
V00320-*	20	19 x 32	0.0376	15.27	0.048	0.083	9.00
V00318-*	18	19 x 30	0.047	8.5	0.065	0.097	10.50
V00316-*	16	19 x 29	0.053	6.66	0.068	0.103	13.50
V00314-*	14	19 x 27	0.067	4.32	0.097	0.123	19.50
V00312-*	12	19 x 25	0.089	2.78	0.100	0.142	28.00

*Customer can designate color code per slant sheet

¹V00322H-*. The 22H wire is defined as heavy-wall or thick-wall version of size 22 wire for use in specific applications. It is considered to be "light weight, small diameter" when compared with the normal weight size 22 of MIL-DTL-25038/1. The 22H wire should only be used with a size 20 type contact for MIL-DTL-38999 connectors.