

M22759 wire

M22759 (SAE AS22759) wires are high-performance, medium and high-temperature hookup wires with extruded PTFE or ETFE, or PTFE/polyimide tape insulators, and stranded conductors.

These wires are designed for severe-environment aerospace applications, such as engine controls and SWAMP areas. Some types are available with highly abrasion-resistant insulation and / or high-strength conductors for maximum performance under mechanical stresses.

Wire types with PTFE tape insulation are available with our unique **Seamless Wrap** PTFE tape insulation (see page 54 for details and part numbers).

Construction characteristics—M22759 wires

M22759 Slant Sheet	Insulation Material	Conductor Plating	Temperature Rating	Voltage Rating	Page
MIL-W-22759/5	Extruded mineral-filled PTFE*	Silver	200	600	37
MIL-W-22759/6	Extruded mineral-filled PTFE*	Nickel	260	600	37
MIL-W-22759/7	Extruded mineral-filled PTFE (light weight)*	Silver	200	600	38
MIL-W-22759/8	Extruded mineral-filled PTFE (light weight)*	Nickel	260	600	38
MIL-W-22759/9	Extruded PTFE	Silver	200	1000	39
MIL-W-22759/10	Extruded PTFE	Nickel	260	1000	39
MIL-W-22759/11	Extruded PTFE (medium weight)	Silver	200	600	40
MIL-W-22759/12	Extruded PTFE (medium weight)	Nickel	260	600	40
MIL-W-22759/16	Extruded ETFE	Tin	150	600	41
MIL-W-22759/17	Extruded ETFE	Silver	150	600	41
MIL-W-22759/18	Extruded ETFE (light weight)	Tin	150	600	42
MIL-W-22759/19	Extruded ETFE (light weight)	Silver	150	600	42
MIL-W-22759/20	Extruded PTFE	Silver***	200	1000	43
MIL-W-22759/21	Extruded PTFE	Nickel***	260	1000	43
MIL-W-22759/22	Extruded PTFE (light weight)	Silver***	200	600	44
MIL-W-22759/23	Extruded PTFE (light weight)	Nickel***	260	600	44
MIL-W-22759/28	Extruded PTFE with polyimide hardcoat*	Silver	200	600	45
MIL-W-22759/29	Extruded PTFE with polyimide hardcoat*	Nickel	260	600	45
MIL-W-22759/30	Extruded PTFE with polyimide hardcoat*	Silver***	200	600	46
MIL-W-22759/31	Extruded PTFE with polyimide hardcoat*	Nickel***	260	600	46
MIL-DTL-22759/80	PTFE/polyimide/PTFE tape and PTFE tape (light weight)**	Tin	150	600	47
MIL-DTL-22759/81	PTFE/polyimide/PTFE tape and PTFE tape (light weight)**	Silver***	200	600	47
MIL-DTL-22759/82	PTFE/polyimide/PTFE tape and PTFE tape (light weight)**	Nickel***	260	600	47
MIL-DTL-22759/83	PTFE/polyimide/PTFE tape and PTFE tape**	Silver	200	600	48
MIL-DTL-22759/84	PTFE/polyimide/PTFE tape and PTFE tape**	Nickel	260	600	48
MIL-DTL-22759/85	PTFE/polyimide/PTFE tape and PTFE tape**	Tin	150	600	48
MIL-DTL-22759/86	PTFE/polyimide/PTFE tape and PTFE tape**	Silver	200	600	49
MIL-DTL-22759/87	PTFE/polyimide/PTFE tape and PTFE tape**	Nickel	260	600	50
MIL-DTL-22759/88	PTFE/polyimide/PTFE tape and PTFE tape**	Tin	150	600	51
MIL-DTL-22759/89	PTFE/polyimide/PTFE tape and PTFE tape**	Silver***	200	600	52
MIL-DTL-22759/90	PTFE/polyimide/PTFE tape and PTFE tape**	Nickel***	260	600	52
MIL-DTL-22759/91	PTFE/polyimide/PTFE tape and PTFE tape (light weight)**	Silver	200	600	53
MIL-DTL-22759/92	PTFE/polyimide/PTFE tape and PTFE tape (light weight)**	Nickel	260	600	53

Temperature in °C. • *High abrasion resistance. • ** Available with **Seamless Wrap** PTFE tape outer insulation.

*** High-strength and ultra-high-strength copper alloy conductors.

M22759 color coding

Color coding for M22759 wires consists of up to four numbers added to designate wire color and up to three spiral stripe colors.

Example: M22759/8-**9045** is a white wire with black, yellow, and green stripes.

Number	0	1	2	3	4	5	6	7	8	9
Color	Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Gray	White

MIL-DTL-22759 identification

M22759 wires are surface printed with the MIL part number and manufacturer's CAGE code (FSCM number).