SAE AS22759/9

-55°C to +200°C, 1000V



Construction
Conductor: Silver Plated Copper
Insulation: Extruded · PTFE

Thermal Characteristics
Operating Temperature: -55°C to +200°C

Electrical Characteristics
Operating Voltage: 1000V

Application
Aerospace & Avionics Wiring: Airframe and avionics hook-up wiring requiring 1000 V thick-wall extruded PTFE insulation up to 200°C.

General Characteristics
Thermal & Fluid Inertness: Extruded PTFE insulation resists aviation fuels, hydraulic fluids, lubricants, and extreme thermal cycling.
Dielectric & Non-Flammability Performance: Low dielectric loss and inherent fluoropolymer non-flammability for demanding airframe and avionics service.

Standards & Approvals
SAE AS22759/9: Fluoropolymer-insulated airframe wire, extruded PTFE, silver-coated copper conductor, 1000 V, 200 °C.

RoHS COMPLIANT REACH COMPLIANT

CASMO Part No.	Conductor				Cable		Max. DCR @20°C (Ω/km)	Max. Cable Weight (kg/km)
	Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)	Max. Conductor Dia. (mm)	Nom. O.D. (mm)	O.D. Tolerance ± (mm)		
AS22759/9-28-*	28	7	0.127	0.41	1.09	0.05	208.7	2.38
AS22759/9-26-*	26	19	0.102	0.53	1.22	0.05	126	3.27
AS22759/9-24-*	24	19	0.127	0.64	1.35	0.05	79.7	4.46
AS22759/9-22-*	22	19	0.16	0.81	1.52	0.08	49.5	6.25
AS22759/9-20-*	20	19	0.203	1.02	1.73	0.08	30.8	8.93
AS22759/9-18-*	18	19	0.254	1.27	1.98	0.08	19.4	13.1
AS22759/9-16-*	16	19	0.287	1.45	2.21	0.08	14.8	16.67
AS22759/9-14-*	14	19	0.361	1.83	2.64	0.1	9.32	25
AS22759/9-12-*	12	19	0.455	2.29	3.12	0.1	5.87	37.2
AS22759/9-10-*	10	37	0.404	2.9	3.76	0.13	3.9	56.55
AS22759/9-8-*	8	133	0.287	4.39	5.46	0.15	2.16	105.7

Table Notes

* Replace "*" in part number with insulation color digit 0–9 per MIL-STD-681 (see Color Code Chart below; 9 White preferred).

1. Manufactured to SAE AS22759 (non-QPL); Max. DCR at 20°C and Max. Cable Weight are standard limits.

COLOR CODE CHART					
Cond. #	Color	Cond. #	Color	Cond. #	Color
0	Black	4	Yellow	8	Gray
1	Brown	5	Green	9	White
2	Red	6	Blue		
3	Orange	7	Violet		

Please confirm application-specific requirements with CASMO before ordering. Specifications are subject to change; please ensure you are using the latest revision.

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