SAE AS22759/18

-55°C to +150°C, 600V



Construction
Conductor: Tin-plated copper
Insulation: Extruded · ETFE

Thermal Characteristics
Operating Temperature: -55°C to +150°C

Electrical Characteristics
Operating Voltage: 600V

Application
General use: Aerospace and equipment wiring where controlled outside diameter, low weight and mechanical durability are required

General Characteristics
Heat Resistance: Stands up to sustained high-temperature service in aerospace environments.
Abrasion & Cut-Through Resistance: Tough ETFE insulation stands up to abrasion and cut-through in airframe service.

Standards & Approvals
SAE AS22759/18: Fluoropolymer-insulated airframe wire, extruded ETFE, light weight, tin-coated copper conductor, 600 V, 150 °C.

CASMO Part No.	Conductor				Cable		Max. DCR @20°C (Ω/km)	Max. Cable Weight (kg/km)
	Conductor Size (AWG)	No. Of Strands	Strand Size (AWG)	Nom. Conductor Dia. (mm)	Min. Overall O.D. (mm)	Max. Overall O.D. (mm)		
AS22759/18-26-*	26	19	38	0.48	0.76	0.86	135	2.26
AS22759/18-24-*	24	19	36	0.61	0.914	1.016	85.9	3.15
AS22759/18-22-*	22	19	34	0.76	1.04	1.14	53.1	4.70
AS22759/18-20-*	20	19	32	0.97	1.24	1.35	32.4	7.08
AS22759/18-18-*	18	19	30	1.19	1.50	1.60	20.4	10.6
AS22759/18-16-*	16	19	29	1.35	1.73	1.83	15.8	13.6
AS22759/18-14-*	14	19	27	1.70	2.11	2.21	10.0	21.0
AS22759/18-12-*	12	37	28	2.18	2.64	2.80	6.63	32.4
AS22759/18-10-*	10	37	26	2.79	3.33	3.48	4.13	50.7

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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