SAE AS22759/16

-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
Lightweight Durability: Low-weight extruded ETFE construction with mechanical durability for aerospace and equipment wiring.
Fluid Resistance: Resists aircraft fluids and solvents.

Standards & Approvals
SAE AS22759/16: Fluoropolymer-insulated airframe wire, extruded ETFE, medium 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)		
AS22759/16-24-*	24	19	36	0.61	1.09	1.19	85.9	3.82
AS22759/16-22-*	22	19	34	0.76	1.27	1.37	53.1	5.45
AS22759/16-20-*	20	19	32	0.97	1.47	1.57	32.4	8.01
AS22759/16-18-*	18	19	30	1.22	1.75	1.85	20.4	11.7
AS22759/16-16-*	16	19	29	1.35	1.96	2.06	15.8	14.8
AS22759/16-14-*	14	19	27	1.70	2.31	2.41	10.0	22.2
AS22759/16-12-*	12	37	28	2.18	2.82	2.97	6.63	33.6
AS22759/16-10-*	10	37	26	2.79	3.45	3.61	4.13	52.2
AS22759/16-8-*	8	133	29	4.11	4.98	5.13	2.30	94.5
AS22759/16-6-*	6	133	27	5.21	6.27	6.43	1.46	149
AS22759/16-4-*	4	133	25	6.60	7.82	8.03	0.916	234
AS22759/16-2-*	2	665	30	8.38	9.75	9.96	0.600	365
AS22759/16-1-*	1	817	30	9.40	10.8	11.1	0.489	467
AS22759/16-01-*	1/0	1045	30	10.41	12.0	12.3	0.380	582
AS22759/16-02-*	2/0	1330	30	11.62	13.7	14.0	0.299	750

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.

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

© CASMO CABLE LLC. All rights reserved.

SAE AS22759/16

-55°C to +150°C, 600V



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.

© CASMO CABLE LLC. All rights reserved.