SAE AS22759/43

-55°C to +200°C, 600V



Construction
Conductor: Silver Plated Copper
Insulation: Extruded · XL-ETFE
Jacket: Extruded overall jacket · XL-ETFE
Aromatic polyamide braid: Sizes 2 AWG and larger: additional treated dark green aromatic polyamide braid (designator 5D).

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

Electrical Characteristics
Operating Voltage: 600V

Application
Aerospace & Avionics Wiring: Normal-weight primary airframe power and control wiring requiring low-resistance silver-plated copper and dual-wall XL-ETFE insulation.

General Characteristics
Dual-Wall Visual Inspection: Contrasting inner and outer cross-linked layers provide instant visual indication of mechanical scrape or wear.
Abrasion & Cut-Through Resistance: Tough insulation compound resists pinch, cut-through, and mechanical wear against chassis edges.
Fluid & Chemical Inertness: Resists fuels, lubricants, hydraulic fluids, oils, acids, alkalis, and industrial solvents.

Standards & Approvals
SAE AS22759/43: Fluoropolymer-insulated airframe wire, dual-extruded cross-linked modified ETFE (XL-ETFE), normal weight, silver-coated copper conductor, 600 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)		
AS22759/43-26-*	26	19	0.102	0.51	1.02	0.05	126	2.53
AS22759/43-24-*	24	19	0.127	0.64	1.14	0.05	79.7	3.42
AS22759/43-22-*	22	19	0.16	0.79	1.27	0.05	49.5	4.76
AS22759/43-20-*	20	19	0.203	0.99	1.47	0.05	30.8	6.99
AS22759/43-18-*	18	19	0.254	1.24	1.78	0.08	19.4	10.71
AS22759/43-16-*	16	19	0.287	1.4	1.96	0.08	14.8	13.39
AS22759/43-14-*	14	19	0.361	1.75	2.39	0.08	9.32	20.54
AS22759/43-12-*	12	37	0.32	2.26	2.82	0.08	6.13	30.51
AS22759/43-10-*	10	37	0.404	2.87	3.4	0.1	3.9	48.22
AS22759/43-8-*	8	133	0.287	4.39	4.95	0.2	2.16	89.74
AS22759/43-6-*	6	133	0.361	5.51	6.12	0.25	1.37	140.6
AS22759/43-4-*	4	133	0.455	6.96	7.87	0.25	0.863	223.2
AS22759/43-2-5D	2	665	0.254	8.64	10.29	0.41	0.564	355.7
AS22759/43-1-5D	1	817	0.254	9.65	11.3	0.41	0.459	431.6
AS22759/43-01-5D	1/0	1045	0.254	10.8	12.32	0.41	0.358	561
AS22759/43-02-5D	2/0	1330	0.254	12.07	13.84	0.41	0.282	724.7

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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Table Notes

* Replace "*" in part number with insulation color digit 0–9 per MIL-STD-681 (see Color Code Chart below; 9 White preferred). Sizes 2 AWG and larger include a treated dark green aromatic polyamide braid (designator 5D).

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		

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