AEROSPACE

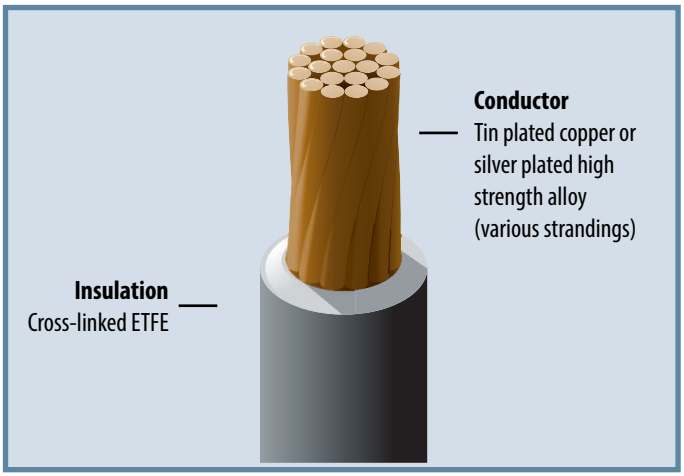
SAE AS22759/34 & 35

Cross-Linked ETFE - 600V, 150/200°C

APPLICATION

These normal weight, high temperature airframe and avionics wires utilize a dual layer insulation of crosslinked, modified ethylene tetrafluoroethylene copolymer (ETFE). The insulation resists high PH cleaning fluids, fuel, lubricating oils, and many other chemicals. These wires can withstand temperature test extremes ranging from cold bend at –65°C through aging at 300°C for 7 hours. These wires are a mechanically tough, flame retardant, and weight saving solution to many aerospace applications.

Normal Weight Wall



CONDUCTOR

Soft annealed tin plated copper for /34 and silver plated high strength copper alloy for /35, stranded as listed below.

INSULATION

Dual layer of irradiation cross-linked extruded ETFE meeting the requirements of the below specification. The primary insulation shall be of a contrasting pigmentation to that of the outer insulation. The contrasting colors of the layers provide a visual indication of possible abrasion or other mechanical damage due to physical abuse during service or installation.

Part Number	Conductor				Conductor Resistance @20°C		Nom. Diameter		Weight	
	Size		Stranding							
	AWG	mm²			Ω/kft	Ω/km	Inch	mm	lbs/kft	kg/km
22759/34-24-X	24	.24	19/36	TC	26.2	86.0	.045	1.14	2.3	3.42
22759/34-22-X	22	.38	19/34		16.2	53.2	.050	1.27	3.2	4.76
22759/34-20-X	20	.62	19/32		9.88	32.4	.058	1.47	4.7	6.99
22759/34-18-X	18	.96	19/30		6.23	20.4	.070	1.78	7.2	10.7
22759/34-16-X	16	1.23	19/29		4.81	15.8	.077	1.95	9.0	13.4
22759/34-14-X	14	1.94	19/27		3.06	10.0	.094	2.39	13.8	20.0
22759/34-12-X	12	3.08	37/28		2.02	6.63	.111	2.82	20.5	30.0
22759/34-10-X	10	4.74	37/26		1.26	4.13	.134	3.40	32.4	48.0
22759/34-8-X	8	8.61	133/29		.701	2.30	.195	4.95	61.9	92.0
22759/35-26-X	26	.15	19/38	SA	44.8	147	.040	1.02	1.7	2.53
22759/35-24-X	24	.24	19/36		28.4	93.2	.045	1.14	2.3	3.42
22759/35-22-X	22	.38	19/34		17.5	57.4	.050	1.27	3.3	4.91
22759/35-20-X	20	.62	19/32		10.7	35.1	.058	1.47	4.8	7.14

X = color. See page 67 for color designator.
The above part numbers represent the more popular constructions. However, other designs are available upon request.
All products are manufactured to meet RoHS compliance. For exceptions, please contact our sales department.

APPROVALS AND RATINGS

150°C conductor temperature, 600 volt. SAE AS22759/34.
200°C conductor temperature, 600 volt. SAE AS22759/35.

CABLES

Cables may be assembled using the requirements of NEMA WC 27500, using Type SD and SE components for /34 and /35 respectively.

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