

CASFLON™ SAE

AS22759 / 5 / 6 / 7 / 8

-65°C to +200°C or 260°C , 600V



Construction

Type: electrical wire

Core: silver-plated copper or nickel plated copper

Insulation: extruded PTFE

Production

Range width: AWG 24 to 4

Options: contact us for more options

Application

Aviation: Electrical lightweight cables used in electronic equipment for aircraft, missile systems or aeronautical test benches

General characteristics

Weather conditions: excellent resistance to UV

Chemical behaviors: excellent resistance to aggressive chemical environments

Humidity: excellent resistance to humidity

Mechanical behaviors: excellent mechanical strength

Thermal characteristics

Operating temperature: SPC: -65°C to +200°C

NPC: -65°C to +260°C

Electrical characteristics

Operating Voltage: 600V

Approvals – Standards

NEMA standard: MIL-W-22759 / 5 / 6 / 7 / 8

AS22759 / 5 , ex. MIL-W-22759 / 5 600V

AWG/Stranding	Insulation Thickness		O.D.		Weight	
	(inch)	(mm)	(inch)	(mm)	(lbs/mft)	(kg/km)
24 19/36	0.026	0.660	0.075	1.91	7	10.42
22 19/34	0.028	0.711	0.085	2.16	8	11.90
20 19/32	0.029	0.737	0.095	2.41	10	14.88
18 19/30	0.031	0.787	0.11	2.79	14	20.83
16 19/29	0.036	0.914	0.125	3.18	18	26.79
14 19/27	0.038	0.965	0.143	3.63	25	37.20
12 19/25	0.038	0.965	0.16	4.06	33	49.11
10 37/26	0.035	0.889	0.179	4.55	42	62.50
8 133/29	0.04	1.016	0.248	6.30	81	120.54
4 133/25	0.042	1.067	0.37	9.40	180	267.86

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AS22759 / 6 , ex. MIL-W-22759 / 6 600V

AWG/Stranding	Insulation Thickness		O.D.		Weight	
	(inch)	(mm)	(inch)	(mm)	(lbs/mft)	(kg/km)
24 19/36	0.026	0.660	0.075	1.91	7	10.42
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4 133/25	0.042	1.067	0.37	9.40	180	267.86

AS22759 / 7 , ex. MIL-W-22759 / 7 600V

AWG/Stranding	Insulation Thickness		O.D.		Weight	
	(inch)	(mm)	(inch)	(mm)	(lbs/mft)	(kg/km)
24 19/36	0.019	0.483	0.062	1.57	4	5.95
22 19/34	0.022	0.559	0.073	1.85	6	8.93
20 19/32	0.022	0.559	0.082	2.08	8	11.90
18 19/30	0.022	0.559	0.092	2.34	11	16.37
16 19/29	0.024	0.610	0.102	2.59	14	20.83
14 19/27	0.023	0.584	0.115	2.92	19	28.27
12 19/25	0.024	0.610	0.134	3.40	28	41.67
10 37/26	0.025	0.635	0.158	4.01	40	59.52
8 133/29	0.03	0.762	0.22	5.59	71	105.65
6 133/27	0.03	0.762	0.27	6.86	108	160.71
4 133/25	0.035	0.889	0.328	8.33	169	251.49

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AWG/Stranding	Insulation Thickness		O.D.		Weight	
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