

CASFLON™ SAE

AS22759 / 16 / 17 / 18 / 19

-65°C to +150°C , 600V



Construction

Type: electrical wire

Core: silver-plated copper or tin plated copper

Insulation: extruded ETFE

Production

Range width: AWG 26 to 00

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: -65°C to +150°C

Electrical characteristics

Operating Voltage: 600V

Approvals – Standards

NEMA standard: MIL-W-22759 / 16 / 17 / 18 / 19

AS22759 / 16 , ex. MIL-W-22759 / 16 600V

AWG/Stranding	Insulation Thickness		O.D.		Weight	
	(inch)	(mm)	(inch)	(mm)	(lbs/mft)	(kg/km)
24 19/36	0.015	0.381	0.045	1.14	3	4.46
22 19/34	0.015	0.381	0.052	1.32	4	5.95
20 19/32	0.015	0.381	0.06	1.52	5	7.44
18 19/30	0.012	0.305	0.071	1.80	8	11.90
16 19/29	0.013	0.330	0.079	2.01	10	14.88
14 19/27	0.013	0.330	0.093	2.36	15	22.32
12 37/28	0.014	0.356	0.114	2.90	22	32.74
10 37/26	0.015	0.381	0.139	3.53	33	49.11
8 133/29	0.018	0.457	0.199	5.05	62	92.26
6 133/27	0.023	0.584	0.25	6.35	97	144.35
4 133/25	0.027	0.686	0.312	7.92	150	223.21
2 665/30	0.029	0.737	0.388	9.86	250	372.02
1 817/30	0.031	0.787	0.431	10.95	300	446.43
0 1045/30	0.032	0.813	0.479	12.17	370	550.60
00 1330/30	0.044	1.118	0.546	13.87	480	714.29

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CAUTION

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AS22759 / 17 , ex. MIL-W-22759 / 17 600V

AWG/Stranding	Insulation Thickness		O.D.		Weight	
	(inch)	(mm)	(inch)	(mm)	(lbs/mft)	(kg/km)
26 19/38	0.011	0.279	0.04	1.02	2	2.98
24 19/36	0.011	0.279	0.045	1.14	2	2.98
22 19/34	0.011	0.279	0.052	1.32	3	4.46
20 19/32	0.011	0.279	0.06	1.52	5	7.44

AS22759 / 18 , ex. MIL-W-22759 / 18 600V

AWG/Stranding	Insulation Thickness		O.D.		Weight	
	(inch)	(mm)	(inch)	(mm)	(lbs/mft)	(kg/km)
26 19/38	0.007	0.178	0.032	0.81	2	2.98
24 19/36	0.007	0.178	0.036	0.91	2	2.98
22 19/34	0.007	0.178	0.043	1.09	3	4.46
20 19/32	0.007	0.178	0.051	1.30	5	7.44
18 19/30	0.007	0.178	0.061	1.55	6	8.93
16 19/29	0.009	0.229	0.07	1.78	8	11.90
14 19/27	0.009	0.229	0.85	21.59	14	20.83
12 37/28	0.011	0.279	0.107	2.72	21	31.25
10 37/26	0.013	0.330	0.134	3.40	33	49.11
26 19/38	0.007	0.178	0.032	0.81	2	2.98

AS22759 / 19 , ex. MIL-W-22759 / 19 600V

AWG/Stranding	Insulation Thickness		O.D.		Weight	
	(inch)	(mm)	(inch)	(mm)	(lbs/mft)	(kg/km)
26 19/38	0.006	0.152	0.032	0.81	2	2.98
24 19/36	0.006	0.152	0.036	0.91	2	2.98
22 19/34	0.006	0.152	0.043	1.09	3	4.46
20 19/32	0.006	0.152	0.051	1.30	5	7.44

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