

CASFLON™ 150 UL/cUL

Style 1331

-65°C to +150°C, 600V



Construction

Type: electrical wire

Core: bare, tin-plated, nickel-plated, or silver-plated copper

Insulation: FEP

Production

Range width: AWG 32 to 4/0

Options: Please consult us for any special requirements

Application

General use: internal cabling for electrical appliances or electronic appliances

Industry: cabling for industrial machines

Electromechanics: cabling for rotating machines

Household appliances: cabling for household electrical heating appliances

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

Test voltage: 6000 V

Approvals – Standards

“Horizontal flame”: as per UL approval

“FT1 flame rating”: as per UL approval

“VW-1 flame test”: as per UL approval

UL approval: as per standard UL 758

Casmo Part No.	Wire gauge	Conductor structure			Conductor Diameter		Wall thickness		Final O.D.		Approx. Wt.	
	(AWG)	# Strands	Diam. Of Strands		(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb./kft)	(kg/km)
			(in)	(mm)								
1311001	4/0	259	0.029	0.73	0.520	13.2	0.045	1.14	0.61	15.50	700.44	1042.12
1311002	3/0	259	0.026	0.65	0.461	11.71	0.045	1.14	0.55	14.01	560.25	833.53
1311003	2/0	259	0.023	0.59	0.417	10.6	0.045	1.14	0.51	12.90	465.47	692.52
1311004	1/0	259	0.020	0.52	0.366	9.29	0.045	1.14	0.46	11.59	366.01	544.54
1311005	1	259	0.019	0.47	0.333	8.46	0.045	1.14	0.42	10.76	308.5	458.98
1311006	2	259	0.016	0.40	0.285	7.25	0.030	0.76	0.35	8.81	217.6	323.75
1311007	4	133	0.019	0.49	0.239	6.06	0.030	0.76	0.30	7.62	156.76	233.23
1311008	6	266	0.010	0.25	0.188	4.78	0.030	0.76	0.25	6.34	102.64	152.7
1311009	8	168	0.010	0.25	0.150	3.8	0.030	0.76	0.21	5.36	68.89	102.49
1311010	10	37	0.017	0.43	0.119	3.01	0.020	0.51	0.159	4.03	41.80	62.20
1311011	12	19	0.019	0.49	0.096	2.45	0.020	0.51	0.137	3.47	28.10	41.82
1311012	14	19	0.015	0.37	0.073	1.85	0.020	0.51	0.113	2.87	18.70	24.40
1311013	16	19	0.012	0.3	0.059	1.5	0.020	0.51	0.099	2.52	13.30	16.40
1311014	17	19	0.010	0.26	0.051	1.3	0.020	0.51	0.091	2.32	11.95	14.80
1311015	18	19	0.009	0.23	0.045	1.15	0.020	0.51	0.085	2.17	10.60	13.10
1311016	20	19	0.007	0.19	0.037	0.95	0.020	0.51	0.078	1.97	7.71	11.47
		1	0.031	0.8	0.031	0.8	0.020	0.51	0.072	1.82	7.00	10.42
1311017	22	19	0.006	0.16	0.031	0.8	0.020	0.51	0.072	1.82	5.78	8.60

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CAUTION

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			(in)	(mm)								
1311018	24	7	0.008	0.2	0.024	0.6	0.020	0.51	0.064	1.62	4.49	6.68
		1	0.020	0.5	0.020	0.5	0.020	0.51	0.060	1.52	4.01	5.97
1311019	26	7	0.006	0.16	0.019	0.48	0.020	0.51	0.059	1.50	3.65	5.43
		1	0.016	0.4	0.016	0.4	0.020	0.51	0.056	1.42	3.27	4.87
1311020	28	7	0.005	0.12	0.014	0.36	0.020	0.51	0.054	1.38	2.92	4.35
		1	0.013	0.32	0.013	0.32	0.020	0.51	0.053	1.34	2.78	4.14
1311021	30	7	0.004	0.1	0.012	0.3	0.020	0.51	0.052	1.32	2.53	3.76
		1	0.010	0.254	0.010	0.254	0.020	0.51	0.050	1.274	2.47	3.68
1311022	32	7	0.003	0.08	0.009	0.24	0.020	0.51	0.050	1.26	1.73	2.57
		1	0.008	0.20	0.008	0.2	0.020	0.51	0.048	1.22	1.68	2.50

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