

CASFLAM™ MGT UL/cUL

Style 5107

-60°C to +200°C/+450 °C, 300V



Construction

Type: MGT wire

Core: nickel-plated copper, nickel-coated copper (27%), or pure nickel

Insulation: composite: mica tape(s) and/or fiberglass lapping + varnished fiberglass braid

Reinforcing braid: varnished fiberglass braid

Production

Range width: AWG 20 to 4/0

Options: Please consult us for any special requirements

Application

Household appliances: cabling for domestic or professional electrical appliances

Heating elements: cabling for heating resistors, cartridges, bands and plates

Other(s): cabling for furnaces, ovens, machines for thermoplastics and rubber, welding stations, ect.

General characteristics

Weather conditions: good resistance to UV

Operating environment: good resistance to thermal shock

Thermal characteristics

Operating temperature: -60°C to +200 °C/+450 °C

Electrical characteristics

Operating Voltage: 300V

Approvals – Standards

“FT1 flame rating”: as per UL approval

UL approval: as per standard UL 758

Casmocable Part No.	Wire gauge	Conductor structure			Conductor Diameter		Wall thickness				Final O.D.		Approx. Wt.	
		# Strands	Diam. Of Strands		(in)	(mm)	Mica Tape		Fiberglass Braid		(in)	(mm)	(lb./kft)	(kg/km)
			(in)	(mm)			(in)	(mm)	(in)	(mm)				
4110101	20	7	0.012	0.3	0.043	1.08	0.025	0.635	0.007	0.178	0.107	2.7	9	13.39
4110102	18	11	0.012	0.3	0.046	1.18	0.025	0.635	0.007	0.178	0.110	2.8	11	16.37
4110103	16	18	0.012	0.3	0.058	1.48	0.025	0.635	0.007	0.178	0.122	3.1	15	22.32
4110104	14	28	0.012	0.3	0.074	1.88	0.025	0.635	0.007	0.178	0.138	3.5	22	32.74
4110105	12	49	0.012	0.3	0.106	2.68	0.025	0.635	0.007	0.178	0.170	4.3	31	46.13
4110106	10	77	0.012	0.3	0.135	3.42	0.030	0.762	0.015	0.381	0.225	5.7	83	123.51
4110107	8	112	0.012	0.3	0.166	4.22	0.030	0.762	0.015	0.381	0.256	6.5	79	117.56
4110108	6	190	0.012	0.3	0.217	5.52	0.030	0.762	0.015	0.381	0.307	7.8	113	168.16
4110109	4	304	0.012	0.3	0.256	6.5	0.030	0.762	0.015	0.381	0.346	8.8	167	248.51
4110110	2	494	0.012	0.3	0.346	8.8	0.035	0.889	0.02	0.508	0.456	11.6	259	385.42
4110111	1/0	396	0.016	0.4	0.417	10.6	0.035	0.889	0.02	0.508	0.527	13.4	392	583.34
4110112	2/0	532	0.016	0.4	0.480	12.2	0.035	0.889	0.02	0.508	0.590	15.0	488	726.19
4110113	3/0	684	0.016	0.4	0.547	13.9	0.035	0.889	0.02	0.508	0.657	16.7	605	900.30
4110114	4/0	836	0.016	0.4	0.602	15.3	0.035	0.889	0.02	0.508	0.712	18.1	750	1116.08

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