

CASFLAM™ MGT UL/cUL

Style 5562
-60°C to +550 °C, 600V



Construction

Type: MGT wire
Core: nickel-coated copper (27%) (other conductor materials available)
Insulation: mica tape
Reinforcing braid: varnished fiberglass braid with high-temperature finish

Production

Range width: AWG 24 to 500kcmil
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

Operating environment: good resistance to thermal shock
Chemical behavior: good resistance to oxidization

Thermal characteristics

Operating temperature: -60°C to +550 °C

Electrical characteristics

Operating Voltage: 600V

Approvals – Standards

“FT1 flame rating”: as per UL approval
UL approval: as per standard UL 758
Other approval: RoHS Compliant

Casmco Part No.	Wire gauge (AWG)	Conductor structure			Wall thickness				Final O.D.		Approx. Wt.	
		# Strands	Diam. Of Strands		Mica Tape		Fiberglass Braid		(in)	(mm)	(lb./kft)	(kg/km)
			(in)	(mm)	(in)	(mm)	(in)	(mm)				
4210201	24	7	0.008	0.2	0.024	0.61	0.008	0.2	0.091	2.3	5	7.44
4210202	22	7	0.01	0.254	0.024	0.61	0.008	0.2	0.098	2.5	8	11.90
4210203	20	10	0.01	0.254	0.024	0.61	0.008	0.2	0.102	2.6	9	13.39
4210204	18	16	0.01	0.254	0.024	0.61	0.008	0.2	0.114	2.9	13	19.35
4210205	16	26	0.01	0.254	0.024	0.61	0.008	0.2	0.126	3.2	17	25.30
4210206	14	41	0.01	0.254	0.024	0.61	0.008	0.2	0.142	3.6	23	34.23
4210207	12	65	0.01	0.254	0.024	0.61	0.008	0.2	0.161	4.1	32	47.62
4210208	10	103	0.01	0.254	0.035	0.89	0.010	0.25	0.220	5.6	63	93.75
4210209	8	163	0.01	0.254	0.035	0.89	0.010	0.25	0.256	6.5	80	119.05
4210210	6	260	0.01	0.254	0.035	0.89	0.010	0.25	0.299	7.6	120	178.57
4210211	4	413	0.01	0.254	0.035	0.89	0.010	0.25	0.350	8.9	175	260.42
4210212	2	168	0.02	0.5	0.055	1.4	0.015	0.38	0.465	11.8	340	505.95
4210213	1	212	0.02	0.5	0.055	1.4	0.015	0.38	0.504	12.8	400	595.24
4210214	1/0	268	0.02	0.5	0.055	1.4	0.015	0.38	0.547	13.9	470	699.41
4210215	2/0	342	0.02	0.5	0.055	1.4	0.015	0.38	0.602	15.3	540	803.57
4210216	3/0	430	0.02	0.5	0.055	1.4	0.015	0.38	0.657	16.7	648	964.29
4210217	4/0	538	0.02	0.5	0.055	1.4	0.015	0.38	0.720	18.3	810	1205.36
4210218	250kcmil	633	0.02	0.5	0.060	1.52	0.015	0.38	0.776	19.7	1053	1566.97
4210219	300kcmil	760	0.02	0.5	0.060	1.52	0.015	0.38	0.839	21.3	1260	1875.01
4210220	350kcmil	886	0.02	0.5	0.060	1.52	0.015	0.38	0.894	22.7	1370	2038.70
4210221	400kcmil	396	0.031	0.8	0.060	1.52	0.015	0.38	0.945	24	1480	2202.39
4210222	500kcmil	495	0.031	0.8	0.060	1.52	0.015	0.38	1.039	26.4	1590	2366.08

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