UL 5256

250°C, 600V



Construction
Conductor: Nickel Plated Copper or Nickel-Coated Copper (27%) or Pure Nickel
Insulation: Wrapped · PTFE
Insulation: Wrapped · Glass serve
Braid: Varnished fiberglass

Thermal Characteristics
Operating Temperature: 250°C

Electrical Characteristics
Operating Voltage: 600V

Application
High-temperature internal wiring: Internal wiring of commercial cooking appliances, industrial ovens, kilns, furnaces, and high-temperature heating equipment.
Industrial heating & lighting leads: High-temperature lead wiring for cartridge heaters, band heaters, and industrial lighting fixtures.

General Characteristics
Thermal & Aging Stability: Maintains dielectric integrity and mechanical stability under sustained thermal cycling and heat aging.
Braided Fiberglass Protection: Woven fiberglass outer braid reinforces the insulation against abrasion, fraying, and installation wear.
Fluid & Chemical Inertness: Resists fuels, lubricants, hydraulic fluids, oils, acids, alkalis, and industrial solvents.

Standards & Approvals
UL 758: UL 758 Appliance Wiring Material, Style 5256.
CSA C22.2 No. 210: cUL Appliance Wiring Material, Style 5256.

Fire Performance
Fire Retardant: VW-1 / FT1

CASMO Part No.	Conductor			Nom. Ins. Thickness (mm)	Nom. Braid Thickness (mm)	Nom. O.D. (mm)	Nom. Cable Weight (kg/km)
	Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)				
4310324/7-NS-XX	24	7	0.2	0.18	0.2	1.7	7.1
4310322/7-NS-XX	22	7	0.254	0.18	0.2	1.8	9.8
4310320/10-NS-XX	20	10	0.254	0.18	0.2	2	13.69
4310318/16-NS-XX	18	16	0.254	0.18	0.2	2.2	16.37
4310316/26-NS-XX	16	26	0.254	0.28	0.2	2.8	22.62
4310314/41-NS-XX	14	41	0.254	0.28	0.2	3.1	32.74
4310312/65-NS-XX	12	65	0.254	0.28	0.2	3.6	46.13
4310310/103-NS-XX	10	103	0.254	0.28	0.25	4.7	68.5
431038/163-NS-XX	8	163	0.254	0.28	0.25	5.5	103.5
431036/260-NS-XX	6	260	0.254	0.36	0.25	6.8	168.16
431034/413-NS-XX	4	413	0.254	0.36	0.25	8.2	248.51
431032/168-NS-XX	2	168	0.5	0.36	0.25	9.9	385.42

Table Notes

* "-NS-" = nickel-plated copper conductor (standard for 250°C). "-NC27-" = 27% nickel-coated copper conductor (optional). "-N-" = pure nickel conductor (optional).

† Color Code added after P/N (XX): Black=BK, White=WH, Red=RD, Green=GN, Brown=BN, Blue=BL, Orange=OR, Yellow=YW, Violet=VT, Grey=GY, Pink=PK, Tan=TN, Natural=NT.

Please confirm application-specific requirements with CASMO before ordering. Specifications are subject to change; please ensure you are using the latest revision.

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