casmocable
CABLES FOR EXTREMES

# UL 3172

**-60°C to +200°C, 600V**



## Construction
**Conductor:** Nickel Plated Copper
**Insulation:** Extruded · Silicone rubber
**Braid:** Varnished fiberglass

## Thermal Characteristics
**Operating Temperature:** -60°C to +200°C

## Electrical Characteristics
**Operating Voltage:** 600V

## Application
**Internal wiring:** Internal wiring of appliances and electronic equipment.
**High-temperature equipment:** High-temperature lead wiring for industrial controls, lighting fixtures, and heating appliances.

## General Characteristics
**Abrasion & Mechanical Protection:** Outer fiberglass braid reinforces the silicone insulation against abrasion, cut-through, and mechanical wear.
**High-Temperature Durability:** Engineered for sustained high-temperature service in heating appliances, lighting, and industrial equipment.
**Flexible Routing:** Supple silicone core with treated glass braid allows clean routing in compact enclosures.

## Standards & Approvals
**UL 758:** UL 758 Appliance Wiring Material, Style 3172.
**CSA C22.2 No. 210:** cUL Appliance Wiring Material, Style 3172.

## Fire Performance
**Fire Retardant:** VW-1 / FT1 / FT2

| CASMO Part No. | Conductor | | | | Insulation | | Nom. Braid Thickness (mm) | Nom. O.D. (mm) | Max. DCR @20°C (Ω/km) | Nom. Cable Weight (kg/km) |
|---|---|---|---|---|---|---|---|---|---|---|
| | Conductor Size (AWG) | No. Of Strands | Nom. Strand Dia. (mm) | Nom. Conductor Dia. (mm) | Nom. Ins. Thickness (mm) | Min. Ins. Thickness (mm) | | | | |
| 3111326/7-NS2-XX | 26 | 7 | 0.16 | 0.48 | 0.76 | 0.69 | 0.19 | 2.38 | 153 | 6.73 |
| 3111324/11-NS2-XX | 24 | 11 | 0.16 | 0.61 | 0.76 | 0.69 | 0.19 | 2.51 | 96.0 | 8.19 |
| 3111324/19-NS2-XX | 24 | 19 | 0.127 | 0.64 | 0.76 | 0.69 | 0.19 | 2.51 | 96.0 | 8.41 |
| 3111322/7-NS2-XX | 22 | 7 | 0.254 | 0.76 | 0.76 | 0.69 | 0.19 | 2.67 | 60.4 | 10.21 |
| 3111322/17-NS2-XX | 22 | 17 | 0.16 | 0.76 | 0.76 | 0.69 | 0.19 | 2.67 | 60.4 | 10.21 |
| 3111320/19-NS2-XX | 20 | 19 | 0.2 | 1 | 0.76 | 0.69 | 0.19 | 2.84 | 37.9 | 13.64 |

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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| CASMO Part No. | Conductor | | | | Insulation | | Nom. Braid Thickness (mm) | Nom. O.D. (mm) | Max. DCR @20°C (Ω/km) | Nom. Cable Weight (kg/km) |
|---|---|---|---|---|---|---|---|---|---|---|
| | Conductor Size (AWG) | No. Of Strands | Nom. Strand Dia. (mm) | Nom. Conductor Dia. (mm) | Nom. Ins. Thickness (mm) | Min. Ins. Thickness (mm) | | | | |
| 3111320/26-NS2-XX | 20 | 26 | 0.16 | 0.94 | 0.76 | 0.69 | 0.19 | 2.84 | 37.9 | 12.94 |
| 3111320/41-NS2-XX | 20 | 41 | 0.127 | 0.94 | 0.76 | 0.69 | 0.19 | 2.84 | 37.9 | 12.94 |
| 3111318/19-NS2-XX | 18 | 19 | 0.254 | 1.27 | 0.76 | 0.69 | 0.19 | 3.09 | 23.9 | 18.74 |
| 3111318/41-NS2-XX | 18 | 41 | 0.16 | 1.18 | 0.76 | 0.69 | 0.19 | 3.09 | 23.9 | 17.41 |

### Table Notes

* Part No. code: XX = colour code — BK Black, WH White, RD Red, GN Green, BN Brown, BL Blue, OR Orange, YW Yellow, VT Violet, GY Grey, PK Pink, TN Tan, CL Clear.

† "-NS2-" = nickel-plated copper conductor with FT2 flame rating (standard). "-NS1-" = nickel-plated copper conductor with VW-1 / FT1 flame rating (optional).

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