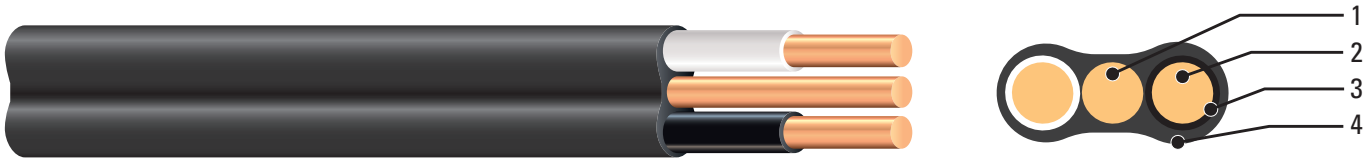


CSA-NMWU-COPPER

Copper Conductors, 300V / -40°C MIN, 60°C MAX, PVC / Nylon Insulation, PVC Jacket



CONSTRUCTION:

Southwire's CSA-NMWU cables are available as two or three-conductor cables with a bare grounding conductor. It is manufactured using annealed (soft) copper conductors with compressed standing for stranded conductors; a heat-resistant thermoplastic polyvinyl chloride (PVC) insulation and nylon jacket for the phase conductors with a sunlight-, moisture-, and fungus-resistant PVC jacket for the overall construction.

1. Ground Conductor
2. Copper Conductor
3. PVC / Nylon Insulation
4. Black PVC Jacket

CONDUCTOR COLOURS:

- Conductors are white and black (for 2 conductor cables).
- Conductors are white, black and red (for 3 conductor cables).

APPLICATIONS AND FEATURES:

Southwire's CSA-NMWU cables may be used for underground installations, including direct burial. It may also be used for environments exposed to the weather in dry and wet locations. The maximum allowable conductor temperature is 60°C. The minimum recommended installation temperature is -40°C for two-conductor cables (sizes AWG 14 to AWG 6) and -25°C for all other sizes. For three-conductor cables the minimum recommended installation temperature is -10°C (with suitable handling procedures). Material should be properly stored above 0°C for 24 hours prior to installation. The maximum voltage rating for all intended applications is 300 volts. Consult the Canadian Electrical Code¹ for further information related to applications.

SPECIFICATIONS:

CSA-NMWU cables meet or exceed the following requirements:

- ASTM
- CSA C22.2 No. 48 (non-metallic sheathed cable)
- Canadian Electrical Code¹
- CSA FT1 Flame Test Rating



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SPECIFICATIONS

Conductor				Insulation Thickness		Ground Wire		Approximate Jacket Thickness		Approximate Cable Dimensions		Approximate Net Cable Weight		Allowable Ampacities [†] 30° Ambient
Stock #	Size AWG	# of Conductors	# of Strands	inches	mm	Size AWG	# of Strands	inches	mm	inches	mm	lbs/1000ft	kg/km	60°C
471847	14	2	1	0.060	1.52	14	1	0.030	0.76	0.492 x 0.244	12.50 x 6.20	89	132	15
471854	12	2	1	0.060	1.52	14	1	0.030	0.76	0.526 x 0.261	13.35 x 6.62	109	163	20
471863	10	2	1	0.060	1.52	12	1	0.030	0.76	0.585 x 0.282	14.85 x 7.16	147	219	30
471870	8	2	7	0.075	1.91	10	1	0.045	1.14	0.766 x 0.382	19.71 x 9.70	253	377	40
481275	6	3	7	0.075	1.91	10	1	0.030	1.14	0.908 x 0.448	23.06 x 11.38	355	528	55
471888	14	3	1	0.060	1.52	14	1	0.030	0.76	0.458	11.63	116	172	15
471896	12	3	1	0.060	1.52	14	1	0.030	0.76	0.470	11.94	146	217	20
471912	10	3	1	0.060	1.52	12	1	0.030	0.76	0.539	13.70	198	295	30
471920	8	3	7	0.075	1.91	10	1	0.045	1.14	0.721	18.31	338	503	40
471938	6	3	7	0.090	2.29	10	1	0.045	1.14	0.863	21.93	487	724	55
672626	4	3	7	0.090	2.29	8	1	0.060	1.52	0.995	25.27	714	1063	85
672634	2	3	7	0.090	2.29	8	1	0.080	2.03	1.160	29.46	1035	1540	115

[†]2015 Canadian Electrical Code Part I

† Allowable ampacities are for general use as specified by the Canadian Electrical Code, 2015, Table 2