

Contact

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NMWU SUPERVEX 300 Volts 60°C

Description

CSA File LL23462 Class 5821 02

Two or three copper conductors with extra thickness of 60°C PVC insulation. Bare bonding wire and an overall sunlight resistant PVC jacket. Rated 300 volts.



Application

For direct earth burial (with protection as required by the inspection authority).
 For wiring exposed to the weather. For Category 1 and 2 locations see Section 22 of the Canadian Electrical Code including barns, stables, etc.
 For open and concealed wiring in wet or dry locations where not exposed to mechanical injury.
 Minimum recommended handling temperature minus 25°C (except for 3 conductor cables at minus 10°C) with suitable handling procedures.
 Maximum conductor temperature 60°C.

Standards

National CSA C22.2 N° 48

Characteristics

Construction characteristics	
Conductor material	Copper
Electrical characteristics	
Maximum operating voltage	300 V
Usage characteristics	
Maximum operating temperature	60 °C

Size AWG	Number of Conductors	Bonding Wire Size AWG (Copper)	Insulation Thickness		Jacket Thickness		Approx. Overall Dimensions		Approx. Net Cable Weight Copper Conductors		Ampacity (amps) 30°C Ambient
			mm	in	mm	in	mm	in	kg/km	lbs/kft	
14 (1)	2	14 (1)	1.52	0.060	0.76	0.030	6.3x12.7	0.25x0.50	142	95	15
12 (1)	2	14 (1)	1.52	0.060	0.76	0.030	6.8x13.6	0.27x0.53	173	117	20
10 (1)	2	12 (1)	1.52	0.060	0.76	0.030	7.3x15.1	0.29x0.59	234	157	30
8 (7)	2	10 (1)	1.91	0.075	1.14	0.045	9.9x20.0	0.39x0.79	402	270	40
6 (7)	2	10 (1)	2.29	0.090	1.14	0.045	11.6x23.5	0.46x0.92	565	379	55**
4 (7)	2	8 (7)	2.29	0.090	1.52	0.060	23.9	0.94	804	541	70
3 (7)	2	8 (7)	2.29	0.090	2.03	0.080	26.3	1.04	995	669	80
2 (7)	2	8 (7)	2.29	0.090	2.03	0.080	27.9	1.10	1157	778	100

NOTE: 2/C cables sizes 4 AWG and larger and all 3/C cables are twisted

14 (1)	3	14 (1)	1.52	0.060	0.76	0.030	11.9	0.47	181	122	15
12 (1)	3	14 (1)	1.52	0.060	0.76	0.030	12.8	0.50	227	152	20
10 (1)	3	12 (1)	1.52	0.060	0.76	0.030	13.9	0.55	306	205	30
8 (7)	3	10 (1)	1.91	0.075	1.14	0.045	18.6	0.73	523	351	40
6 (7)	3	10 (1)	2.29	0.090	1.14	0.045	22.3	0.88	752	505	55**
4 (7)	3	8 (7)	2.29	0.090	1.52	0.060	25.6	1.01	1098	738	70
3 (7)	3	8 (7)	2.29	0.090	2.03	0.080	28.1	1.11	1354	910	80
2 (7)	3	8 (7)	2.29	0.090	2.03	0.080	29.8	1.17	1591	1069	100