



Canadian Pipe & Pump Supply

Toronto – Orillia – Tillsonburg – Ottawa

www.canpipe.com

PVC Insulated Cables

Submersible Pump Cable 600 volts 60°C



Copper Conductors

Description

Two or three TWU-40 (copper) conductors cabled together with green insulated bonding wire. Extra thickness of FT1 rated flame retardant, low temperature, moisture resistant PVC insulation, coloured for identification. Rated 600 volts.

CSA Spec C22.2 No. 75-03

CSA File #LL23462 Class 5832 02

Application

For use with submersible pumps installed in water wells.

Minimum recommended installation temperature minus 40°C (with suitable handling procedures).

Maximum conductor temperature 60°C.

Size AWG	No. of Con- ductors	Bonding Wire Size--AWG* (Copper)	Insulation Thickness		Approximate Overall Diameter**		Approximate Net Cable Weight		Ampacity 30°C Ambient (amps)
			mm	in	mm	in	kg/km	lbs/kft	
14 (1)	2	14 (1)	1.52	.060	10.3	.40	118	79	15
14 (1)	3	14 (1)	1.52	.060	11.4	.45	157	105	15
12 (1)	3	12 (1)	1.52	.060	12.7	.50	208	140	20
12 (1)	3	8 (7)	1.52	.060	14.2	.56	291	196	20
14 (7)	3	14 (7)	1.52	.060	11.9	.47	165	111	15
14 (7)	3	8 (7)	1.52	.060	14.5	.57	253	170	15
12 (7)	3	12 (7)	1.52	.060	13.2	.52	211	142	20
12 (7)	3	8 (7)	1.52	.060	14.7	.58	295	198	20
10 (7)	3	8 (7)	1.52	.060	15.7	.62	357	240	30
8 (7)	3	10 (7)	2.03	.080	17.7	.70	461	310	40
8 (7)	3	8 (7)	2.03	.080	18.8	.74	536	360	40
6 (7)	3	8 (7)	2.03	.080	20.3	.80	668	449	55
4 (7)	3	8 (7)	2.03	.080	22.5	.89	925	622	70

* Most provincial inspection authorities require bonding conductors in accordance with the Canadian Electrical Code. Others, like Ontario and the Yukon, require #8 AWG. Check with your inspection department for local requirements.

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