

# Caledonian Cables Manufacture

## JIS C 3401 Cables

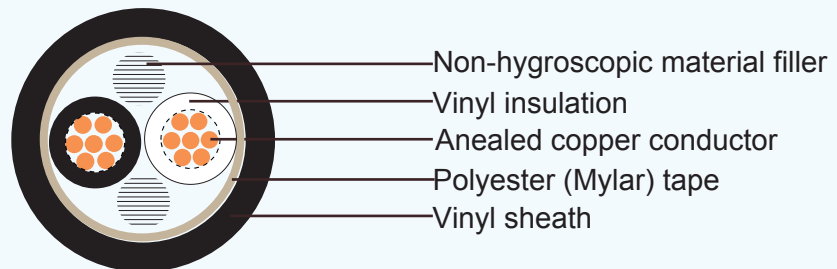
### CVV

#### Application and Description:

For supervisory electrical equipment, station control circuits, outdoor, suitable installation in dry or wet cable trenches.

#### Name Code:

C: For control  
V: Vinyl  
V: Vinyl



#### Cable Construction:

**Conductor:** Circular or compacted circular stranded annealed copper wires

**Separator:** A proper separator may be applied to a conductor

**Insulation:** Vinyl

**Color :**

2 cores- Black and white

3 cores- Black, white and red

4 cores- Black, white, red and green

More than 4 cores: Black core with marking numbers

**Filler:** Non-hygroscopic material(optional)

**Binding tape:** Polyester (Mylar) tape (optional)

**Sheath:** Vinyl, Black color

#### Technical Characteristics:

Maximum conductor temperature 90°C

Circuit voltage not exceeding 600 volts

Test voltage 2000 volts





## Cable Parameter

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm <sup>2</sup>		mm	mm	mm	mm	Ohm / km	kg / km
2	1.25	7/0.45	1.35	0.8	1.5	9.4	16.8	100
	2	7/0.6	1.8	0.8	1.5	10.5	9.42	130
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	175
	5.5	7/1.0	3	1	1.5	13.5	3.4	245
	8	7/1.2	3.6	1.2	1.5	15.5	2.36	335
	8	compacted	3.4	1.2	1.5		2.34	325
	14	7/1.6	4.8	1.4	1.5	19	1.33	520
	14	compacted	4.4	1.4	1.5	18	1.34	500
	22	7/2.0	6	1.6	1.6	23	0.84	760
	22	compacted	5.5	1.6	1.5	21	0.849	715
3	1.25	7/0.45	1.35	0.8	1.5	9.9	16.8	120
	2	7/0.6	1.8	0.8	1.5	11	9.42	160
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	220
	5.5	7/1.0	3	1	1.5	14.5	3.4	320
	8	7/1.2	3.6	1.2	1.5	16.5	2.36	440
	8	compacted	3.4	1.2	1.5	16	2.34	425
	14	7/1.6	4.8	1.4	1.5	20	1.33	690
	14	compacted	4.4	1.4	1.5	19	1.34	665
	22	7/2.0	6	1.6	1.6	24	0.84	1020
	22	compacted	5.5	1.6	1.6	23	0.849	975
4	1.25	7/0.45	1.35	0.8	1.5	11	16.8	145
	2	7/0.6	1.8	0.8	1.5	12	9.42	195
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	275
	5.5	7/1.0	3	1	1.5	16	3.4	400
	8	7/1.2	3.6	1.2	1.5	18	2.36	555
	8	compacted	3.4	1.2	1.5	17.5	2.34	535
	14	7/1.6	4.8	1.4	1.6	22	1.33	890
	14	compacted	4.4	1.4	1.5	21	1.34	855
	22	7/2.0	6	1.6	1.7	27	0.84	1320
	22	compacted	5.5	1.6	1.7	25	0.849	1260

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No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm <sup>2</sup>		mm	mm	mm	mm	Ohm / km	kg / km
5	1.25	7/0.45	1.35	0.8	1.5	11.5	16.8	170
	2	7/0.6	1.8	0.8	1.5	13	9.42	230
	3.5	7/0.8	2.4	0.8	1.5	14.5	5.3	330
	5.5	7/1.0	3	1	1.5	17	3.4	485
	8	7/1.2	3.6	1.2	1.5	20	2.36	675
	8	compacted	3.4	1.2	1.5	19.5	2.34	655
	14	7/1.6	4.8	1.4	1.6	25	1.33	1090
	14	compacted	4.4	1.4	1.6	24	1.34	1060
6	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	200
	2	7/0.6	1.8	0.8	1.5	14	9.42	270
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	390
	5.5	7/1.0	3	1	1.5	18.5	3.4	570
	8	7/1.2	3.6	1.2	1.5	22	2.36	800
	8	compacted	3.4	1.2	1.5	21	2.34	775
	14	7/1.6	4.8	1.4	1.7	27	1.33	1310
	14	compacted	4.4	1.4	1.7	26	1.34	1270
7	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	215
	2	7/0.6	1.8	0.8	1.5	14	9.42	295
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	425
	5.5	7/1.0	3	1	1.5	18.5	3.4	630
	8	7/1.2	3.6	1.2	1.5	22	2.36	885
	8	compacted	3.4	1.2	1.5	21	2.34	860
8	1.25	7/0.45	1.35	0.8	1.5	13.5	16.8	240
	2	7/0.6	1.8	0.8	1.5	15	9.42	335
	3.5	7/0.8	2.4	0.8	1.5	17	5.3	485
	5.5	7/1.0	3	1	1.5	20	3.4	720
	8	7/1.2	3.6	1.2	1.6	24	2.36	1030
	8	compacted	3.4	1.2	1.6	23	2.34	995





# Addison Cables to Japanese Standard

www.addison-cables.com

www.addison-tech.com

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm <sup>2</sup>		mm	mm	mm	mm	Ohm / km	kg / km
10	1.25	7/0.45	1.35	0.8	1.5	15.5	16.8	305
	2	7/0.6	1.8	0.8	1.5	17.5	9.42	425
	3.5	7/0.8	2.4	0.8	1.5	19.5	5.3	620
	5.5	7/1.0	3	1	1.6	24	3.4	930
	8	7/1.2	3.6	1.2	1.8	29	2.36	1340
	8	compacted	3.4	1.2	1.7	28	2.34	1290
12	1.25	7/0.45	1.35	0.8	1.5	16	16.8	345
	2	7/0.6	1.8	0.8	1.5	18	9.42	480
	3.5	7/0.8	2.4	0.8	1.5	21	5.3	705
	5.5	7/1.0	3	1	1.7	25	3.4	1080
	8	7/1.2	3.6	1.2	1.8	29	2.36	1540
	8	compacted	3.4	1.2	1.8		2.34	1490
15	1.25	7/0.45	1.35	0.8	1.5	17	16.8	405
	2	7/0.6	1.8	0.8	1.5	19	9.42	575
	3.5	7/0.8	2.4	0.8	1.5	22	5.3	855
	5.5	7/1.0	3	1	1.7	27	3.4	1310
20	1.25	7/0.45	1.35	0.8	1.5	19	16.8	515
	2	7/0.6	1.8	0.8	1.5	22	9.42	735
	3.5	7/0.8	2.4	0.8	1.6	25	5.3	1120
	5.5	7/1.0	3	1	1.9	31	3.4	1720
30	1.25	7/0.45	1.35	0.8	1.6	23	16.8	750
	2	7/0.6	1.8	0.8	1.7	26	9.42	1100
	3.5	7/0.8	2.4	0.8	1.8	30	5.3	1660