

Caledonian Cables Manufacture

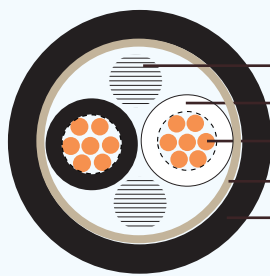
CCE

Application and Description:

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

Name Code:

C: For control
C: Cross polyethylene
E: Polyethylene



Non-hygroscopic material filler
Cross-linked polyethylene insulation
Annealed copper conductor
Polyester (Mylar) tape
Polyethylene sheath

Cable Construction:

Conductor: Circular or compacted circular stranded annealed copper wires

Separator: A proper separator may be applied to a conductor

Insulation: Cross-linked polyethylene

Color :

2 cores- Black and white

3 cores- Black, white and red

4 cores- Black, white, red and green

More than 4 cores: White core with marking numbers

Filler: Non-hygroscopic material(optional)

Binding tape: Polyester (Mylar) tape (optional)

Sheath: Polyethylene (PE), 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 ²		mm	mm	mm	mm	Ohm / km	kg / km
2	1.25	7/0.45	1.35	0.8	1.5	9.4	16.8	80
	2	7/0.6	1.8	0.8	1.5	10.5	9.42	105
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	145
	5.5	7/1.0	3	1	1.5	13.5	3.4	205
	8	7/1.2	3.6	1	1.5	15	2.36	270
	8	compacted	3.4	1	1.5	14.5	2.34	260
	14	7/1.6	4.8	1	1.5	17.5	1.33	415
	14	compacted	4.4	1	1.5	16.5	1.34	405
	22	7/2.0	6	1.2	1.5	21	0.84	620
	22	compacted	5.5		1.5	19.5	0.849	595
3	1.25	7/0.45	1.35	0.8	1.5	9.9	16.8	95
	2	7/0.6	1.8	0.8	1.5	11	9.42	130
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	185
	5.5	7/1.0	3	1	1.5	14.5	3.4	270
	8	7/1.2	3.6	1	1.5	16	2.36	355
	8	compacted	3.4	1	1.5	15.5	2.34	345
	14	7/1.6	4.8	1	1.5	18.5	1.33	560
	14	compacted	4.4	1	1.5	17.5	1.34	550
	22	7/2.0	6	1.2	1.5	22	0.84	845
	22	compacted	5.5	1.2	1.5	21	0.849	815
4	1.25	7/0.45	1.35	0.8	1.5	11	16.8	115
	2	7/0.6	1.8	0.8	1.5	12	9.42	160
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	230
	5.5	7/1.0	3	1	1.5	16	3.4	340
	8	41832	3.6	1	1.5	17	2.36	455
	8	compacted	3.4	1	1.5	16.5	2.34	445
	14	7/1.6	4.8	1	1.5	20	1.33	720
	14	compacted	4.4	1	1.5	19	1.34	705
	22	7/2.0	6	1.2	1.6	24	0.84	1100
	22	compacted	5.5	1.2	1.6	23	0.849	1070

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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 ²		mm	mm	mm	mm	Ohm / km	kg / km
5	1.25	7/0.45	1.35	0.8	1.5	11.5	16.8	135
	2	7/0.6	1.8	0.8	1.5	13	9.42	190
	3.5	7/0.8	2.4	0.8	1.5	14.5	5.3	280
	5.5	7/1.0	3	1	1.5	17	3.4	415
	8	7/ 1.2	3.6	1	1.5	19	2.36	555
		compacted	3.4	1	1.5	18.5	2.34	545
	14	7/1.6	4.8	1	1.6	23	1.33	895
		compacted	4.4	1	1.5	21	1.34	870
6	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	160
	2	7/0.6	1.8	0.8	1.5	14	9.42	225
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	330
	5.5	7/1.0	3	1	1.5	18.5	3.4	495
	8	7/1.2	3.6	1	1.5	21	2.36	665
	8	compacted	3.4	1	1.5	20	2.34	650
	14	7/1.6	4.8	1	1.6	25	1.33	1070
	14	compacted	4.4	1	1.6	23	1.34	1050
7	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	170
	2	7/0.6	1.8	0.8	1.5	14	9.42	240
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	365
	5.5	7/ 1.0	3	1	1.5	18.5	3.4	545
	8	7/1.2	3.6	1	1.5	21	2.36	735
	8	compacted	3.4	1	1.5	20	2.34	720
8	1.25	7/0.45	1.35	0.8	1.5	13.5	16.8	190
	2	7/0.6	1.8	0.8	1.5	15	9.42	275
	3.5	7/0.8	2.4	0.8	1.5	17	5.3	420
	5.5	7/1.0	3	1	1.5	20	3.4	625
	8	7/ 1.2	3.6	1	1.6	23	2.36	855
	8	compacted	3.4	1	1.5	22	2.34	830





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 ²		mm	mm	mm	mm	Ohm / km	kg / km
10	1.25	7/0.45	1.35	0.8	1.5	15.5	16.8	245
	2	7/0.6	1.8	0.8	1.5	17.5	9.42	355
	3.5	7/0.8	2.4	0.8	1.5	19.5	5.3	535
	5.5	7/1.0	3	1	1.6	24	3.4	810
	8	7/ 1.2	3.6	1	1.7	27	2.36	1100
	8	compacted	3.4	1	1.7	26	2.34	1080
12	1.25	7/0.45	1.35	0.8	1.5	16	16.8	275
	2	7/0.6	1.8	0.8	1.5	18	9.42	400
	3.5	7/0.8	2.4	0.8	1.5	21	5.3	615
	5.5	7/1.0	3	1	1.7	25	3.4	940
	8	7/ 1.2	3.6	1	1.8	28	2.36	1280
	8	compacted	3.4	1	1.7	27	2.34	1250
15	1.25	7/ 0.45	1.35	0.8	1.5	17	16.8	330
	2	7/0.6	1.8	0.8	1.5	19.0	9.42	485
	3.5	7/0.8	2.4	0.8	1.5	22	5.3	745
	5.5	7/1.0	3	1.0	1.7	27	3.4	1140
20	1.25	7/0.45	1.35	0.8	1.5	19	16.8	420
	2	7/0.6	1.8	0.8	1.5	22	9.42	625
	3.5	7/0.8	2.4	0.8	1.6	25	5.3	975
	5.5	7/ 1.0	3	1	1.9	3J	3.4	1510
30	1.25	7/0.45	1.35	0.8	1.6	23	16.8	615
	2	7/0.6	1.8	0.8	1.7	26	9.42	930
	3.5	7/0.8	2.4	0.8	1.8	30	5.3	1460