

# Caledonian Cables Manufacture

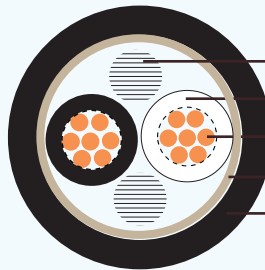
## CEE/F(EM-CEE)

### Application and Description:

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

### Name Code:

C: For control  
E: Polyethylene  
E: Polyethylene  
/F: Flame retardant



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

### Cable Construction:

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

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

**Insulation:** Polyethylene

**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:** Flame retardant polyethylene, 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	90
	2	7/0.6	1.8	0.8	1.5	10.5	9.42	115
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	160
	5.5	7/1.0	3	1	1.5	13.5	3.4	225
	8	7/1.2	3.6	1	1.5	15	2.36	290
	8	compacted	3.4	1	1.5	14.5	2.34	280
	14	7/1.6	4.8	1	1.5	17.5	1.33	440
	14	compacted	4.4	1	1.5	16.5	1.34	425
	22	7/2.0	6	1.2	1.5	21	0.84	650
3	1.25	7/0.45	1.35	0.8	1.5	9.9	16.8	105
	2	7/0.6	1.8	0.8	1.5	11	9.42	140
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	200
	5.5	7/1.0	3	1	1.5	14.5	3.4	290
	8	7/1.2	3.6	1	1.5	16	2.36	380
	8	compacted	3.4	1	1.5	15.5	2.34	370
	14	7/1.6	4.8	1	1.5	18.5	1.33	585
	14	compacted	4.4	1	1.5	17.5	1.34	570
	22	7/2.0	6	1.2	1.5	22	0.84	875
4	1.25	7/0.45	1.35	0.8	1.5	11	16.8	125
	2	7/0.6	1.8	0.8	1.5	12	9.42	175
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	250
	5.5	7/1.0	3	1	1.5	16	3.4	360
	8	41832	3.6	1	1.5	17	2.36	475
	8	compacted	3.4	1	1.5	16.5	2.34	465
	14	7/1.6	4.8	1	1.5	20	1.33	750
	14	compacted	4.4	1	1.5	19	1.34	730
	22	7/2.0	6	1.2	1.6	24	0.84	1140
22	compacted	5.5	1.2	1.6	23	0.849	1110	

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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	150
	2	7/0.6	1.8	0.8	1.5	13	9.42	205
	3.5	7/0.8	2.4	0.8	1.5	14.5	5.3	300
	5.5	7/1.0	3	1	1.5	17	3.4	440
	8	7/ 1.2	3.6	1	1.5	19	2.36	580
		compacted	3.4	1	1.5	18.5	2.34	570
	14	7/1.6	4.8	1	1.6	23	1.33	930
	compacted	4.4	1	1.5	21	1.34	900	
6	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	175
	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	355
	5.5	7/1.0	3	1	1.5	18.5	3.4	520
	8	7/1.2	3.6	1	1.5	21	2.36	690
	8	compacted	3.4	1	1.5	20	2.34	675
	14	7/1.6	4.8	1	1.6	25	1.33	1110
	14	compacted	4.4	1	1.6	23	1.34	1080
7	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	185
	2	7/0.6	1.8	0.8	1.5	14	9.42	260
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	385
	5.5	7/ 1.0	3	1	1.5	18.5	3.4	570
	8	7/1.2	3.6	1	1.5	21	2.36	765
	8	compacted	3.4	1	1.5	20	2.34	750
8	1.25	7/0.45	1.35	0.8	1.5	13.5	16.8	210
	2	7/0.6	1.8	0.8	1.5	15	9.42	295
	3.5	7/0.8	2.4	0.8	1.5	17	5.3	440
	5.5	7/1.0	3	1	1.5	20	3.4	655
	8	7/ 1.2	3.6	1	1.6	23	2.36	885
	8	compacted	3.4	1	1.5	22	2.34	855





# 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	265
	2	7/0.6	1.8	0.8	1.5	17.5	9.42	375
	3.5	7/0.8	2.4	0.8	1.5	19.5	5.3	560
	5.5	7/1.0	3	1	1.6	24	3.4	845
	8	7/ 1.2	3.6	1	1.7	27	2.36	1150
	8	compacted	3.4	1	1.7	26	2.34	1120
12	1.25	7/0.45	1.35	0.8	1.5	16	16.8	300
	2	7/0.6	1.8	0.8	1.5	18	9.42	425
	3.5	7/0.8	2.4	0.8	1.5	21	5.3	640
	5.5	7/1.0	3	1	1.7	25	3.4	980
	8	7/ 1.2	3.6	1	1.8	28	2.36	1330
	8	compacted	3.4	1	1.7	27	2.34	1290
15	1.25	7/ 0.45	1.35	0.8	1.5	17	16.8	355
	2	7/0.6	1.8	0.8	1.5	19.0	9.42	510
	3.5	7/0.8	2.4	0.8	1.5	22	5.3	775
	5.5	7/1.0	3	1.0	1.7	27	3.4	1190
20	1.25	7/0.45	1.35	0.8	1.5	19	16.8	445
	2	7/0.6	1.8	0.8	1.5	22	9.42	655
	3.5	7/0.8	2.4	0.8	1.6	25	5.3	1010
	5.5	7/ 1.0	3	1	1.9	3J	3.4	1560
30	1.25	7/0.45	1.35	0.8	1.6	23	16.8	650
	2	7/0.6	1.8	0.8	1.7	26	9.42	970
	3.5	7/0.8	2.4	0.8	1.8	30	5.3	1510