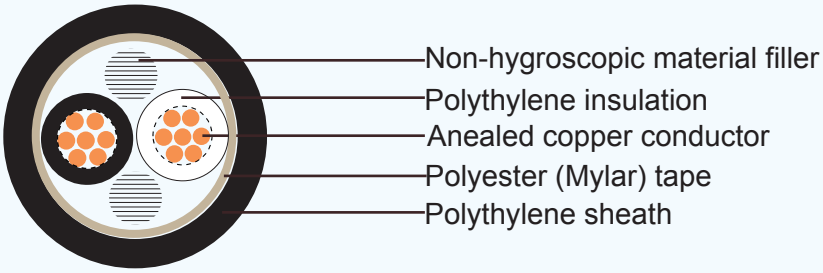
CEE

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: Polythylene
E: Polythylene



Cable Construction:

Conductor: Circular or compacted circuar stranded annealed copper wires
Seperator: 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: 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.)
	mm²		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	2]	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	t4.5	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

Caledonian Cables Manufacture

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.)
	mm²		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	711.6	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

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.)
	mm²		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	I.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