



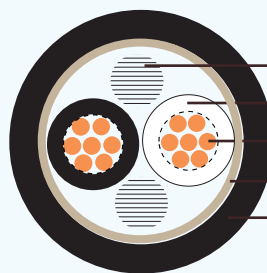
CEV

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
V: Vinyl



Non-hygroscopic material filler
Polyethylene insulation
Annealed copper conductor
Polyester (Mylar) tape
Vinyl 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: Polyvinyl chloride (PVC), 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	95
	2	7/0.6	1.8	0.8	1.5	10.5	9.42	125
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	165
	5.5	7/1.0	3	1	1.5	13.5	3.4	235
	8	7/1.2	3.6	1	1.5	15	2.36	300
	8	compacted	3.4	1	1.5	14.5	2.34	290
	14	7/1.6	4.8	1	1.5	17.5	1.33	450
	14	compacted	4.4	1	1.5	16.5	1.34	435
	22	7/2.0	6	1.2	1.5	21	0.84	660
	22	compacted	5.5		1.5	19.5	0.849	635
3	1.25	7/0.45	1.35	0.8	1.5	9.9	16.8	115
	2	7/0.6	1.8	0.8	1.5	11	9.42	150
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	210
	5.5	7/1.0	3	1	1.5	14.5	3.4	300
	8	7/1.2	3.6	1	1.5	16	2.36	390
	8	compacted	3.4	1	1.5	15.5	2.34	380
	14	7/1.6	4.8	1	1.5	18.5	1.33	600
	14	compacted	4.4	1	1.5	17.5	1.34	585
	22	7/2.0	6	1.2	1.5	22	0.84	890
	22	compacted	5.5	1.2	1.5	21	0.849	860
4	1.25	7/0.45	1.35	0.8	1.5	11	16.8	135
	2	7/0.6	1.8	0.8	1.5	12	9.42	180
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	260
	5.5	7/1.0	3	1	1.5	16	3.4	375
	8	41832	3.6	1	1.5	17	2.36	490
	8	compacted	3.4	1	1.5	16.5	2.34	475
	14	7/1.6	4.8	1	1.5	20	1.33	765
	14	compacted	4.4	1	1.5	19	1.34	745
	22	7/2.0	6	1.2	1.6	24	0.84	1160
	22	compacted	5.5	1.2	1.6	23	0.849	1120





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	160
	2	7/0.6	1.8	0.8	1.5	13	9.42	215
	3.5	7/0.8	2.4	0.8	1.5	14.5	5.3	310
	5.5	7/1.0	3	1	1.5	17	3.4	450
	8	7/ 1.2	3.6	1	1.5	19	2.36	595
		compacted	3.4	1	1.5	18.5	2.34	580
	14	7/1.6	4.8	1	1.6	23	1.33	945
	compacted	4.4	1	1.5	21	1.34	915	
6	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	250
	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	530
	8	7/1.2	3.6	1	1.5	21	2.36	705
	8	compacted	3.4	1	1.5	20	2.34	690
	14	7/1.6	4.8	1	1.6	25	1.33	1130
	compacted	4.4	1	1.6	23	1.34	1100	
7	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	195
	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	395
	5.5	7/ 1.0	3	1	1.5	18.5	3.4	585
	8	7/1.2	3.6	1	1.5	21	2.36	780
	8	compacted	3.4	1	1.5	20	2.34	760
8	1.25	7/0.45	1.35	0.8	1.5	13.5	16.8	220
	2	7/0.6	1.8	0.8	1.5	15	9.42	305
	3.5	7/0.8	2.4	0.8	1.5	17	5.3	450
	5.5	7/1.0	3	1	1.5	20	3.4	665
	8	7/ 1.2	3.6	1	1.6	23	2.36	900
	8	compacted	3.4	1	1.5	22	2.34	870





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	275
	2	7/0.6	1.8	0.8	1.5	17.5	9.42	390
	3.5	7/0.8	2.4	0.8	1.5	19.5	5.3	575
	5.5	7/1.0	3	1	1.6	24	3.4	865
	8	7/ 1.2	3.6	1	1.7	27	2.36	1170
	8	compacted	3.4	1	1.7	26	2.34	1140
12	1.25	7/0.45	1.35	0.8	1.5	16	16.8	310
	2	7/0.6	1.8	0.8	1.5	18	9.42	440
	3.5	7/0.8	2.4	0.8	1.5	21	5.3	655
	5.5	7/1.0	3	1	1.7	25	3.4	1000
	8	7/ 1.2	3.6	1	1.8	28	2.36	1350
	8	compacted	3.4	1	1.7	27	2.34	1310
15	1.25	7/ 0.45	1.35	0.8	1.5	17	16.8	365
	2	7/0.6	1.8	0.8	1.5	19.0	9.42	525
	3.5	7/0.8	2.4	0.8	1.5	22	5.3	790
	5.5	7/1.0	3	1.0	1.7	27	3.4	1210
20	1.25	7/0.45	1.35	0.8	1.5	19	16.8	460
	2	7/0.6	1.8	0.8	1.5	22	9.42	670
	3.5	7/0.8	2.4	0.8	1.6	25	5.3	1030
	5.5	7/ 1.0	3	1	1.9	3J	3.4	1 590
30	1.25	7/0.45	1.35	0.8	1.6	23	16.8	665
	2	7/0.6	1.8	0.8	1.7	26	9.42	990
	3.5	7/0.8	2.4	0.8	1.8	30	5.3	1530

