



## EE/CE

### Application and Description:

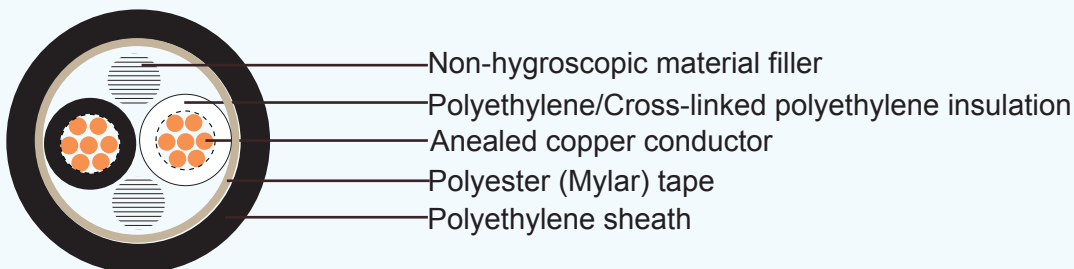
For general purpose power distribution in wet or dry locations, installed in air, in conduit or duct, or directly buried.

### Name Code:

E: Polyethylene

C: Cross-linked polyethylene

### Cable Construction:



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

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

**Insulation:** Polyethylene/Cross-linked polyethylene

**Color :**

2 cores- Black and white

3 cores- Black, white and red

4 cores- Black, white, red and green

**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



## Cable Parameter

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Test Voltage	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm <sup>2</sup>		mm	mm	mm			V	
1	2	7/0.6	1.8	0.8	1.5	6.4	9.24	1500	50
	3.5	7/0.8	2.4	0.8	1.5	7.0	5.2	1500	65
	5.5	7/1.0	3.0	1.0	1.5	8.0	3.33	1500	90
	8	7/1.2	3.6	1.0	1.5	8.6	2.31	1500	120
	8	compacted	3.4	1.0	1.5	8.4	2.29	1500	120
	14	7/1.6	4.8	1.0	1.5	9.8	1.31	2000	185
	14	compacted	4.4	1.0	1.5	9.4	1.30	2000	180
	22	7/2.0	6.0	1.2	1.5	11.5	0.824	2000	275
	22	compacted	5.5	1.2	1.5	11.0	0.832	2000	265
	38	7/2.6	7.8	1.2	1.5	13.5	0.487	2500	430
	38	compacted	7.3	1.2	1.5	13.0	0.481	2500	430
	60	19/2.0	10.0	1.5	1.5	16.0	0.303	2500	665
	60	compacted	9.3	1.5	1.5	15.5	0.305	2500	655
	100	19/2.6	13.0	2.0	1.5	20.0	0.180	2500	1100
	100	compacted	12.0	2.0	1.5	19.0	0.183	2500	1080
	150	37/2.3	16.1	2.0	1.5	24.5	0.118	3000	1630
	150	compacted	14.7	2.0	1.5	22.5	0.122	3000	1560
	200	37/2.6	18.2	2.5	1.7	27.5	0.0922	3000	2080
	200	compacted	17.0	2.5	1.7	26.5	0.0915	3000	2090
	250	61/2.3	20.7	2.5	1.8	30.0	0.0722	3000	2660
	250	compacted	19.0	2.5	1.8	28.5	0.0739	3000	2600
	325	61/2.6	23.4	2.5	1.9	33.5	0.0565	3000	3360
	325	compacted	21.7	2.5	1.9	31.5	0.0568	3000	3330
	400	61/2.9	26.1	2.5	2.0	34.5	0.0373	3000	4130
	400	compacted	24.1	2.5	2.0	34.5	0.0369	3000	4060
	500	61/3.2	28.8	3.0	2.1	40.0	0.0304	3500	5060
	500	compacted	26.9	3.0	2.1	43.0	0.0308	3500	5080
	600	91/2.9	31.9	3.0	2.3	41.0	0.0369	3500	6140
600	compacted	29.5	3.0	2.2	38.5	0.0369	3500	6050	
800	127/2.8	36.4	3.5	2.5	49	0.0234	3500	7980	
800	compacted	34.0	3.5	2.5	47.5	0.0231	3500	8060	





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	mm <sup>2</sup>		mm	mm	mm			Ohm / km	
1	800	segmental compacted	34.0	3.5	2.5	47.5	0.0231	3500	8060
	1000	127/3.2	41.6	3.5	2.6	54.0	0.0179	3500	10300
	1000	compacted	38.0	3.5	2.6	51.5	0.0185	3500	9980
	1000	segmental compacted	38.0	3.5	2.6	51.5	0.0187	3500	10100
2	2	7/0.6	1.8	0.8	1.5	10.5	9.42	1500	100
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	1500	145
	5.5	7/1.0	3.0	1.0	1.5	13.5	3.4	1500	210
	8	7/1.2	3.6	1.0	1.5	15.0	2.36	1500	270
	8	compacted	3.4	1.0	1.5	14.5	2.34	1500	260
	14	7/1.6	4.8	1.0	1.5	17.5	1.33	2000	415
	14	compactcd	4.4	1.0	1.5	16.5	1.34	2000	405
	22	7/2.0	6.0	1.2	1.5	21.0	0.840	2000	620
	22	compacted	5.5	1.2	1.5	19.5	0.849	2000	595
	38	7/2.6	7.8	1.2	1.5	24.0	0.497	2500	975
	38	compacted	7.3	1.2	1.5	24.0	0.491	2500	965
	60	19/2.0	10.0	1.5	1.5	31.0	0.309	2500	1540
	60	compacted	9.3	1.5	1.5	29.0	0.311	2500	1560
	100	19/2.6	13.0	2.0	1.5	39.0	0.184	2500	2570
	100	compacted	12.0	2.0	1.5	37.0	0.187	2500	2540
	150	37/2.3	16.1	2.0	1.5	46.0	0.124	3000	3770
	150	compacted	14.7	2.0	1.5	43.0	0.120	3000	3570
	200	37/2.6	18.2	2.5	1.7	53.0	0.0940	3000	4860
200	compacted	17.0	2.5	1.7	50.0	0.0933	3000	4600	
250	61/2.3	20.7	2.5	1.8	58.0	0.0736	3000	6180	
250	compacted	19.0	2.5	1.8	54.0	0.0754	3000	5930	
325	61/2.6	23.4	2.5	1.9	64.0	0.0576	3000	7760	
325	compacted	21.7	2.5	1.9	60.0	0.0579	3000	7570	
3	2	7/0.6	1.8	0.8	1.5	11.0	9.42	1500	130
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	1500	185
	5.5	7/1.0	3.0	1.0	1.5	14.5	3.4	1500	270
	8	7/1.2	3.6	1.0	1.5	16.0	2.36	1500	355
	8	compacted	3.4	1.0	1.5	15.5	2.34	1500	350
	14	7/1.6	4.8	1.0	1.5	18.5	1.33	2000	560





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	mm <sup>2</sup>		mm	mm	mm	mm	V	Ohm / km	kg / km
3	14	compactcd	4.4	1.0	1.5	17.5	1.34	2000	550
	22	7/2.0	6.0	1.2	1.5	22.0	0.840	2000	845
	22	compactcd	5.5	1.2	1.5	21.0	0.849	2000	820
	38	7/2.6	7.8	1.2	1.5	26.0	0.497	2500	1350
	38	compactcd	7.3	1.2	1.5	25.0	0.491	2500	1350
	60	19/2.0	10.0	1.5	1.5	33.0	0.309	2500	2 130
	60	compactcd	9.3	1.5	1.5	31.0	0.311	2500	2 090
	100	19/2.6	13.0	2.0	1.5	42.0	0.184	2500	3 580
	100	compactcd	12.0	2.0	1.5	40.0	0.187	2500	3460
	150	37/2.3	16.1	2.0	1.5	49.0	0.124	3000	5270
	150	compactcd	14.7	2.0	1.5	46.0	0.120	3000	5030
	200	37/2.6	18.2	2.5	1.7	57.0	0.0940	3000	6790
	200	compactcd	17.0	2.5	1.7	54.0	0.0933	3000	6740
	250	61/2.3	20.7	2.5	1.8	62.0	0.0736	3000	8670
	250	compactcd	19.0	2.5	1.8	58.0	0.0754	3000	8360
	4	2.5	7/0.6	1.8	0.8	1.5	12.0	9.42	1500
3.5		7/0.8	2.4	0.8	1.5	13.5	5.3	1500	230
5.5		7/1.0	3.0	1.0	1.5	16.0	3.4	1500	340
8		7/1.2	3.6	1.0	1.5	17.0	2.36	1500	450
8		compactcd	3.4	1.0	1.5	16.5	2.34	1500	480
14		7/1.6	4.8	1.0	1.5	20.0	1.33	2000	765
14		compactcd	4.4	1.0	1.5	19.0	1.34	2000	705
22		7/2.0	6.0	1.2	1.5	24	0.840	2000	1100
22		compactcd	5.5	1.2	1.5	23	0.849	2000	1070
38		7/2.6	7.8	1.2	1.5	29	0.497	2500	1760
38		compactcd	7.3	1.2	1.5	28	0.491	2500	1760
60		19/2.0	10.0	1.5	1.5	37	0.309	2500	2790
60		compactcd	9.3	1.5	1.5	35	0.311	2500	2730
100		19/2.6	13.0	2.0	1.5	47	0.184	2500	4680
100		compactcd	12.0	2.0	1.5	44	0.187	2500	4530
150		37/2.3	16.1	2.0	1.5	55	0.124	3000	6900





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	mm <sup>2</sup>		mm	mm	mm				
4	150	compacted	14.7	2.0	1.5	SI	0.120	3000	6 600
	200	37/2.6	18.2	2.5	1.7	63	0.0940	3000	8900
	200	compacted	17.0	2.5	1.7	60	0.0933	3000	8850
	250	61/2.3	20.7	2.5	1.8	70	0.0736	3000	11400
	250	compacted	19.0	2.5	1.8	65	0.0754	3000	11000
	325	61/2.6	23.4	2.5	1.9	77	0.0576	3000	14400
	325	compacted	21.7	2.5	1.9	72	0.0579	3000	14100

