DAEMYUNG ELECTRIC WIRE CO.,LTD

Electric Wire & Cable

Movable Cable

EPR Rubber Portable Cable

0.6/1kV EPR Rubber Insulated Flexible Cable(PNCT)

PVC Portable Cable

0.6/1kV PVC Insulated & Sheathed Flexible Power Cable(VCT)

EPR Rubber Movable Cable

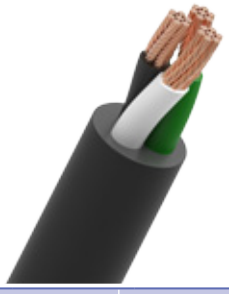
0.6/1kV EPR Rubber Insulated Flexible Cable(PNCT)

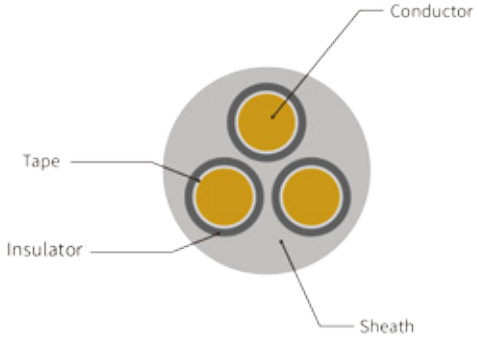
Use

With industrial facilities, the cable is a wire to use for wiring of low-pressure portable electrical equipment in locations such as mines, farms, constuction plants and so forth.
The cable covered with highly resilient chloroprene rubber has high mechanical resistance to shock, friction and flexion. It is used broadly in this field because it has strong chemical resistance such as water, heat, acid and alkaline resistance.

Structure

1. Conductor : Tinning stranded conductor is 5 Level
2. Insulator : EPR Rubber
3. Union : Union to round insulated cores when it is more than 2 core
4. Sheath : SE1
5. Insulator color : 2 Core - Black, White
   3 Core - Black, White, Green
   4 Core - Black, White, Green, Red
6. Warning Temperature : 70℃





Conductor Tinning Annealed copper wire (KS C IEC 60228 class 5)			Thickness of Insulator	Single core		Two core		Three core		Four core		Five core		Max. Conductior Resistance at 20℃	Test Voltage
Nominal Cross Sectional Area	Conductor Maximum Diameter of Wire	Overall Diameter (Approx.)		Thickness of Sheath	Overall Diameter (Approx.)	Thickness of Sheath	Overall Diameter (Approx.)	Thickness of Sheath	Overall Diameter (Approx.)	Thickness of Sheath	Overall Diameter (Approx.)	Thickness of Sheath	Overall Diameter (Approx.)		
mm²	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Ω /km	V
1.0	0.21	1.3	1.0	–	–	1.8	11.5	1.9	12.2	1.9	13.1	2.0	13.8	20.0	3500
1.5	0.26	1.6	1.0	1.6	7.9	1.9	12.3	1.9	12.9	2.0	14.1	2.0	14.6	13.7	3500
2.5	0.26	2.1	1.0	1.6	8.4	1.9	13.3	2.0	14.2	2.0	15.3	2.1	16.1	8.21	3500
4	0.31	2.6	1.0	1.7	9.1	2.0	14.5	2.0	15.2	2.1	16.7	2.2	17.7	5.09	3500
6	0.31	3.6	1.0	1.7	10.2	2.1	17.0	2.2	18.2	2.3	19.9	2.4	21.3	3.39	3500
10	0.41	4.8	1.0	1.8	11.6	2.3	19.8	2.4	21.2	2.5	23.2	2.6	24.9	1.95	3500
16	0.41	6.0	1.0	1.9	12.9	2.5	22.4	2.5	23.7	2.7	26.3	2.8	28.3	1.24	3500
25	0.41	7.4	1.2	2.0	14.9	2.7	26.4	2.8	28.2	3.0	31.2	3.2	33.9	0.795	3500
35	0.41	8.7	1.2	2.1	16.3	2.9	29.2	3.0	31.2	3.2	34.5	3.4	37.6	0.565	3500
50	0.41	10.4	1.4	2.2	18.6	3.1	33.8	3.3	36.3	3.5	40.2	3.8	44.0	0.393	3500
70	0.51	12.5	1.4	2.4	20.9	3.4	38.2	3.5	40.8	3.8	45.4	4.1	49.8	0.277	3500
95	0.51	14.5	1.6	2.5	23.5	3.7	43.6	3.9	46.8	4.2	52.0	4.5	57.2	0.210	3500
120	0.51	16.2	1.6	2.6	25.4	3.9	47.4	4.1	50.9	4.5	56.7	–	–	0.164	3500
150	0.51	18.2	1.8	2.8	28.1	4.2	52.6	4.5	56.6	4.8	62.8	–	–	0.132	3500
185	0.51	20.2	2.0	3.0	30.9	–	–	–	–	–	–	–	–	0.108	3500
240	0.51	23.3	2.2	3.2	34.6	–	–	–	–	–	–	–	–	0.0817	3500
300	0.51	26.0	2.4	3.4	38.0	–	–	–	–	–	–	–	–	0.0654	3500
400	0.51	30.3	2.6	3.7	43.2	–	–	–	–	–	–	–	–	0.0495	3500

PVC Movable Cable

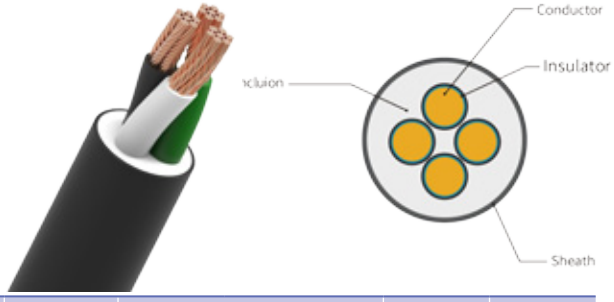
0.6/1kV PVC Insulated & Sheathed Flexible Power Cable(VCT)

Use

The cable uses for the fixed wiring and portable electric equipment using less than 0.6/1kV of voltage in factories, squares and farms.

Structure

1. Conductor : The stranded conductor is 5 Level
2. Insulator : PVC / A
3. Union : Combining insulated cores as a round shape when it is more than 2 core
4. Sheath : PVC / STI
5. Insulator color : 2 Core - Black, White
   3 Core - Black, White, Red(Green)
   4 Core - Black, White, Red, Green
6. Warning Temperature : 70℃



0.6/1kV VCT 1 Core(Single core)

Conductor			Thickness of Insulator	Thickness of Sheath	Overall Diameter (Approx.)	Max. Conductior Resistance at 20℃		Test Voltage	Weight Calculation
Nominal Cross Sectional Area	Maximum Diameter of Wire	Diameter (Approx.)				Copper	Tin-Coated Copper		
㎟	㎜	㎜	㎜	㎜	㎜	Ω/km	Ω/km	v/5min	kg/km
1.0	0.21	1.3	0.8	1.4	6.0	19.5	20.0	3500	50
1.5	0.26	1.6	0.8	1.4	6.5	13.3	13.7		60
2.5	0.26	2.1	0.8	1.4	7.0	7.98	8.21		80
4	0.31	2.6	1.0	1.4	8.0	4.95	5.09		100
6	0.31	3.6	1.0	1.4	9.0	3.30	3.39		130
10	0.41	4.8	1.0	1.4	10.0	1.91	1.95	3500	180
16	0.41	6.0	1.0	1.4	11.0	1.21	1.24		240
25	0.41	7.4	1.2	1.4	13.0	0.780	0.795		350
35	0.41	8.7	1.2	1.4	14.5	0.554	0.565		450
50	0.41	10.4	1.4	1.4	16.5	0.386	0.393		610
70	0.51	12.5	1.4	1.4	18.5	0.272	0.277	3500	820
95	0.51	14.5	1.6	1.5	21.5	0.206	0.210		1110
120	0.51	16.2	1.6	1.5	23.0	0.161	0.164		1370
150	0.51	18.2	1.8	1.6	26.0	0.129	0.132		168–
185	0.51	20.2	2.0	1.7	28.0	0.106	0108		2070
240	0.51	23.3	2.2	1.8	32.0	0.0801	0.0817	3500	2710
300	0.51	26.0	2.4	1.9	35.5	0.0641	0.0654		3360

0.6/1kV VCT 2 Core(Two core) _ 4 Core(Four core)

No. of Cores	Conductor			Thickness of Insulator	Thickness of Sheath	Overall Diameter (Approx.)	Max. Conductior Resistance at 20℃		Test Voltage	Weight Calculation
	Nominal Cross Sectional Area	Maximum Diameter of Wire	Diameter (Approx.)				Copper	Tin-Coated Copper		
C	㎟	㎜	㎜	㎜	㎜	㎜	Ω/km	Ω/km	v/5min	kg/km
2	1.0	0.21	1.3	0.8	1.8	10.0	19.5	20.0	3500	120
	1.5	0.26	1.6	0.8	1.8	10.5	13.3	13.7		130
	2.5	0.26	2.1	0.8	1.8	11.5	7.98	8.21		160
	4	0.31	2.6	1.0	1.8	13.5	4.95	5.09		220
	6	0.31	3.6	1.0	1.8	15.5	3.30	3.39		290
	10	0.41	4.8	1.0	1.8	17.5	1.91	1.95		400
	16	0.41	6.0	1.0	1.8	20.0	1.21	1.24		530
	25	0.41	7.4	1.2	1.8	23.5	0.780	0.795		770
	35	0.41	8.7	1.2	1.8	26.5	0.554	0.565		980
	50	0.41	10.4	1.4	1.8	30.5	0.386	0.393		1320
	70	0.51	12.5	1.4	2.1	35.5	0.272	0.277		1800
	95	0.51	14.5	1.6	2.2	40.5	0.206	0.210		2430
3	1.0	0.21	1.3	0.8	1.8	10.5	19.5	20.0	3500	140
	1.5	0.26	1.6	0.8	1.8	11.0	13.3	13.7		160
	2.5	0.26	2.1	0.8	1.8	12.0	7.98	8.21		200
	4	0.31	2.6	1.0	1.8	14.0	4.95	5.09		280
	6	0.31	3.6	1.0	1.8	16.0	3.30	3.39		370
	10	0.41	4.8	1.0	1.8	19.0	1.91	1.95		520
	16	0.41	6.0	1.0	1.8	21.5	1.21	1.24		700
	25	0.41	7.4	1.2	1.8	25.0	0.780	0.795		1030
	35	0.41	8.7	1.2	1.8	28.0	0.554	0.565		1340
	50	0.41	10.4	1.4	2	33.0	0.386	0.393		1820
	70	0.51	12.5	1.4	2.2	38.0	0.272	0.277		2500
	95	0.51	14.5	1.6	2.3	43.5	0.206	0.210		3380
4	1.0	0.21	1.3	0.8	1.8	11.0	19.5	20.0	3500	170
	1.5	0.26	1.6	0.8	1.8	12.0	13.3	13.7		190
	2.5	0.26	2.1	0.8	1.8	13.0	7.98	8.21		240
	4	0.31	2.6	1.0	1.8	15.0	4.95	5.09		340
	6	0.31	3.6	1.0	1.8	17.5	3.30	3.39		460
	10	0.41	4.8	1.0	1.8	20.5	1.91	1.95		650
	16	0.41	6.0	1.0	1.8	23.5	1.21	1.24		900
	25	0.41	7.4	1.2	1.8	28.0	0.780	0.795		1330
	35	0.41	8.7	1.2	1.8	31.0	0.554	0.565		1750
	50	0.41	10.4	1.4	2.1	36.5	0.386	0.393		2370
	70	0.51	12.5	1.4	2.3	42.0	0.272	0.277		3270
	95	0.51	14.5	1.6	2.4	48.5	0.206	0.210		4450

0.6/1kV VCT more than 5 Core(Above Five core)

No. of Cores	Conductor			Thickness of Insulator	Thickness of Sheath	Overall Diameter (Approx.)	Max. Conductior Resistance at 20℃		Test Voltage	Weight Calculation
	Nominal Cross Sectional Area	Maximum Diameter of Wire	Overall Diameter (Approx.)				Copper	Tin-Coated Copper		
㎟	㎟	㎜	㎜	㎜	㎜	㎜	Ω/km	Ω/km	v/5min	kg/km
5	1.0	0.21	1.3	0.8	1.8	11.5	19.5	20.0	3500	4170
	1.5	0.26	1.6	0.8		12.5	13.3	13.7		210
	2.5	0.26	2.1	0.8		13.5	7.98	8.21		280
	4	0.31	2.6	1.0		16.5	4.95	5.09		410
	6	0.31	3.6	1.0		17.5	3.30	3.39		520
	10	0.41	4.8	1.0		22.0	1.91	1.95		800
6	1.0	0.21	1.3	0.8	1.8	12.5	19.5	20.0	3500	190
	1.5	0.26	1.6	0.8		13.5	13.3	13.7		240
	2.5	0.26	2.1	0.8		15.0	7.98	8.21		320
	4	0.31	2.6	1.0		17.5	4.95	5.09		480
	6	0.31	3.6	1.0		19.0	3.30	3.39		620
	10	0.41	4.8	1.0		24.0	1.91	1.95		960
7	1.0	0.21	1.3	0.8	1.8	12.5	19.5	20.0	3500	210
	1.5	0.26	1.6	0.8		13.5	13.3	13.7		260
	2.5	0.26	2.1	0.8		15.0	7.98	8.21		350
	4	0.31	2.6	1.0		17.5	4.95	5.09		520
	6	0.31	3.6	1.0		19.0	3.30	3.39		680
	10	0.41	4.8	1.0		24.0	1.91	1.95		1070
8	1.0	0.21	1.3	0.8	1.8	13.5	19.5	20.0	3500	240
	1.5	0.26	1.6	0.8		14.5	13.3	13.7		290
	2.5	0.26	2.1	0.8		16.0	7.98	8.21		370
10	1.0	0.21	1.3	0.8	1.8	15.5	19.5	20.0	3500	290
	1.5	0.26	1.6	0.8		16.5	13.3	13.7		350
	2.5	0.26	2.1	0.8		18.5	7.98	8.21		490
12	1.0	0.21	1.3	0.8	1.8	16.0	19.5	20.0	3500	330
	1.5	0.26	1.6	0.8		17.0	13.3	13.7		410
	2.5	0.26	2.1	0.8		19.0	7.98	8.21		560
15	1.0	0.21	1.3	0.8	1.8	17.0	19.5	20.0	3500	400
	1.5	0.26	1.6	0.8		18.5	13.3	13.7		480
	2.5	0.26	2.1	0.8		20.5	7.98	8.21		670
20	1.0	0.21	1.3	0.8	1.8	19.0	19.5	20.0	3500	500
	1.5	0.26	1.6	0.8		20.5	13.3	13.7		610
	2.5	0.26	2.1	0.8		23.0	7.98	8.21		860
25	1.0	0.21	1.3	0.8	1.8	21.5	19.5	20.0	3500	890
	1.5	0.26	1.6	0.8		23.0	13.3	13.7		750
	2.5	0.26	2.1	0.8		26.0	7.98	8.21		1040
30	1.0	0.21	1.3	0.8	1.8	22.5	19.5	20.0	3500	690
	1.5	0.26	1.6	0.8		24.5	13.3	13.7		870
	2.5	0.26	2.1	0.8		27.5	7.98	8.21		1220
33	1.0	0.21	1.3	0.8	1.8	23.5	19.5	20.0	3500	740
	1.5	0.26	1.6	0.8		25.5	13.3	13.7		950
	2.5	0.26	2.1	0.8		28.5	7.98	8.21		1340
40	1.0	0.21	1.3	0.8	1.8	24.5	19.5	20.0	3500	810
	1.5	0.26	1.6	0.8		26.0	13.3	13.7		1030
	2.5	0.26	2.1	0.8		30.0	7.98	8.21		1460