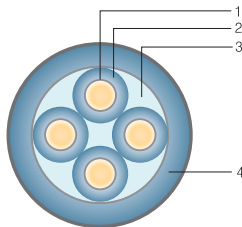


VCT _ KS C IEC 60502-1

0.6/1KV 비닐절연 비닐캡타이어 케이블 / 0.6/1KV PVC Insulated PVC Sheathed Flexible Power Cable



1. 도 체 1. Conductor
2. 절연체 2. Insulation
3. 개재물 3. Filler (if necessary)
4. 시 스 4. Sheath

□ 적용범위

공장, 광산, 농장등에서 0.6/1KV 이하의 전압을 사용하는 이동용 전기 기기 또는 배선용에 사용.

□ 구 조

1. 도 체 : 5등급 (집 · 복합연선) 연동선
2. 절연체 : PVC (70℃)
3. 연 합 : 2심 이상인 경우 절연된 선심을 원형으로 연합
4. 시 스 : PVC (흑색)

□ 선심식별

선심수	색
2심	흑, 백
3심	흑, 백, 적 또는 흑, 백, 녹
4심	흑, 백, 적, 녹

□ 최고허용온도 : 70℃

□ 적용규격 : KS C IEC 60502-1 / 전기용품 안전 기준 (K60502-1)

□ 제품인증

- ☞ 한국산업규격
- ☞ 전기용품 안전인증

□ APPLICATION

This cable is generally used for connecting mobile electric apparatus under AC 0.6/1KV as power source lead wire in factory, mine area and farm.

□ CONSTRUCTION

1. Conductor : Flexible Stranded Annealed Copper (Class 5)
2. Insulation : PVC (Poly Vinyl Chloride, 70℃)
3. Assembly : Multi-cores of cable shall be assembled to form a circular cable.
4. Sheath : PVC (Black)

The Sheath may fill the interstices between the cores but it shall not adhere to the cores.

□ CORE IDENTIFICATION

No. of Cores	Color
2 core	Black, White
3 core	Black, White, Red or Black, White, Green
4 core	Black, White, Red, Green

□ MAXIMUM ALLOWABLE TEMPERATURE : 70℃

□ STANDARD :KS C IEC 60502-1

□ CERTIFICATE

- ☞ Korean Industrial Standards
- ☞ Safety Certification for Electric and Electronic Appliance

0.6/1KV VCT 1심 (One core)

도 체 Conductor			절연체 두께 Insulation Thickness (mm)	시스 두께 Sheath Thickness (mm)	원성 외경 Mean Overall Diameter (mm)	최대도체저항 Max. Conductor Resistance at 20℃		시험전압 Test Voltage (KV)	개산중량 (약) Approx. Weight (kg/km)
공칭단면적 Nominal Sectional Area (mm ²)	최대소선경 Maximum Diameter of Wire (mm)	외경 (약) Approx. Diameter (mm)				동선 Copper (Ω/km)	도금동선 Tin-coated Copper (Ω/km)		
1.0	0.21	1.3	0.8	1.4	6.0	19.5	20.0	3.5	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		3.5
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	3.5	
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		1680
185	0.51	20.2	2.0	1.7	28.0	0.106	0.108		2070
240	0.51	23.3	2.2	1.8	32.0	0.0801	0.0817		3.5
300	0.51	26.0	2.4	1.9	35.5	0.0641	0.0654	3360	

0.6/1KV VCT 2심 (Two cores)

도체 Conductor			절연체 두께 Insulation Thickness (mm)	시스 두께 Sheath Thickness (mm)	완성 외경 Mean Overall Diameter (mm)	최대도체저항 Max. Conductor Resistance at 20℃		시험전압 Test Voltage (KV)	개산중량 (약) Approx. weight (kg/km)
공칭단면적 Nominal Sectional Area (mm ²)	최대소선경 Maximum Diameter of Wire (mm)	외경(약) Approx. Diameter (mm)				동선 Copper (Ω/km)	도금동선 Tin-coated Copper (Ω/km)		
1.5	0.26	1.6	0.8	1.8	10.5	13.3	13.7		
2.5	0.26	2.1	0.8	1.8	11.5	7.98	8.21		
4	0.31	2.6	1.0	1.8	13.5	4.95	5.09		
6	0.31	3.6	1.0	1.8	15.5	3.30	3.39		
10	0.41	4.8	1.0	1.8	17.5	1.91	1.95	3.5	400
16	0.41	6.0	1.0	1.8	20.0	1.21	1.24		
25	0.41	7.4	1.2	1.8	23.5	0.780	0.795		
35	0.41	8.7	1.2	1.8	26.5	0.554	0.565		
50	0.41	10.4	1.4	1.9	30.5	0.386	0.393		
70	0.51	12.5	1.4	2.1	35.5	0.272	0.277		3.5
95	0.51	14.5	1.6	2.2	40.5	0.206	0.210	2430	

0.6/1KV VCT 3심 (Three cores)

도체 Conductor			절연체 두께 Insulation Thickness (mm)	시스 두께 Sheath Thickness (mm)	완성 외경 Mean Overall Diameter (mm)	최대도체저항 Max. Conductor Resistance at 20℃		시험전압 Test Voltage (KV)	개산중량 (약) Approx. weight (kg/km)
공칭단면적 Nominal Sectional Area (mm ²)	최대소선경 Maximum Diameter of Wire (mm)	외경(약) Approx. Diameter (mm)				동선 Copper (Ω/km)	도금동선 Tin-coated Copper (Ω/km)		
1.5	0.26	1.6	0.8	1.8	11.0	13.3	13.7		
2.5	0.26	2.1	0.8	1.8	12.0	7.98	8.21		
4	0.31	2.6	1.0	1.8	14.0	4.95	5.09		
6	0.31	3.6	1.0	1.8	16.0	3.30	3.39		
10	0.41	4.8	1.0	1.8	19.0	1.91	1.95	3.5	520
16	0.41	6.0	1.0	1.8	21.5	1.21	1.24		
25	0.41	7.4	1.2	1.8	25.0	0.780	0.795		
35	0.41	8.7	1.2	1.8	28.0	0.554	0.565		
50	0.41	10.4	1.4	2.0	33.0	0.386	0.393		
70	0.51	12.5	1.4	2.2	38.0	0.272	0.277		3.5
95	0.51	14.5	1.6	2.3	43.5	0.206	0.210	3380	

0.6/1KV VCT 4심 (Four cores)

도체 Conductor			절연체 두께 Insulation Thickness (mm)	시스 두께 Sheath Thickness (mm)	완성 외경 Mean Overall Diameter (mm)	최대도체저항 Max. Conductor Resistance at 20℃		시험전압 Test Voltage (KV)	개산중량 (약) Approx. weight (kg/km)
공칭단면적 Nominal Sectional Area (mm ²)	최대소선경 Maximum Diameter of Wire (mm)	외경(약) Approx. Diameter (mm)				동선 Copper (Ω/km)	도금동선 Tin-coated Copper (Ω/km)		
1.5	0.26	1.6	0.8	1.8	12.0	13.3	13.7		
2.5	0.26	2.1	0.8	1.8	13.0	7.98	8.21		
4	0.31	2.6	1.0	1.8	15.0	4.95	5.09		
6	0.31	3.6	1.0	1.8	17.5	3.30	3.39		
10	0.41	4.8	1.0	1.8	20.5	1.91	1.95	3.5	650
16	0.41	6.0	1.0	1.8	23.5	1.21	1.24		
25	0.41	7.4	1.2	1.8	28.0	0.780	0.795		
35	0.41	8.7	1.2	1.9	31.0	0.554	0.565		
50	0.41	10.4	1.4	2.1	36.5	0.386	0.393		
70	0.51	12.5	1.4	2.3	42.0	0.272	0.277		3.5
95	0.51	14.5	1.6	2.5	48.5	0.206	0.210	4450	

0.6/1KV VCT 5심이상(Above Five cores)

소선수 No. Of Cores	도체 Conductor			절연체 두께 Insulation Thickness (mm)	시스 두께 Sheath Thickness (mm)	완성 외경 Mean Overall Diameter (mm)	최대도체저항 Max. Conductor Resistance at 20℃		시험전압 Test Voltage (KV)	개산중량 (약) Approx. weight (kg/km)
	공칭단면적 Nominal Sectional Area (mm ²)	최대소선경 Maximum Diameter of Wire (mm)	외경(약) Approx. Diameter (mm)				동선 Copper (Ω/km)	도금동선 Tin-coated Copper (Ω/km)		
5	1.0	0.21	1.3	0.8	1.8	11.5	19.5	20.0	3.5	170
	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	3.5	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	3.5	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	3.5	240
	1.5	0.26	1.6	0.8		14.5	13.3	13.7		300
	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	3.5	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	3.5	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	3.5	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	3.5	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	3.5	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	3.5	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	3.5	740
	1.5	0.26	1.6	0.8	1.8	25.5	13.3	13.7		950
	2.5	0.26	2.1	0.8	1.9	28.5	7.98	8.21		1340
40	1.0	0.21	1.3	0.8	1.8	24.5	19.5	20.0	3.5	810
	1.5	0.26	1.6	0.8	1.8	26.0	13.3	13.7		1030
	2.5	0.26	2.1	0.8	1.9	30.0	7.98	8.21		1460