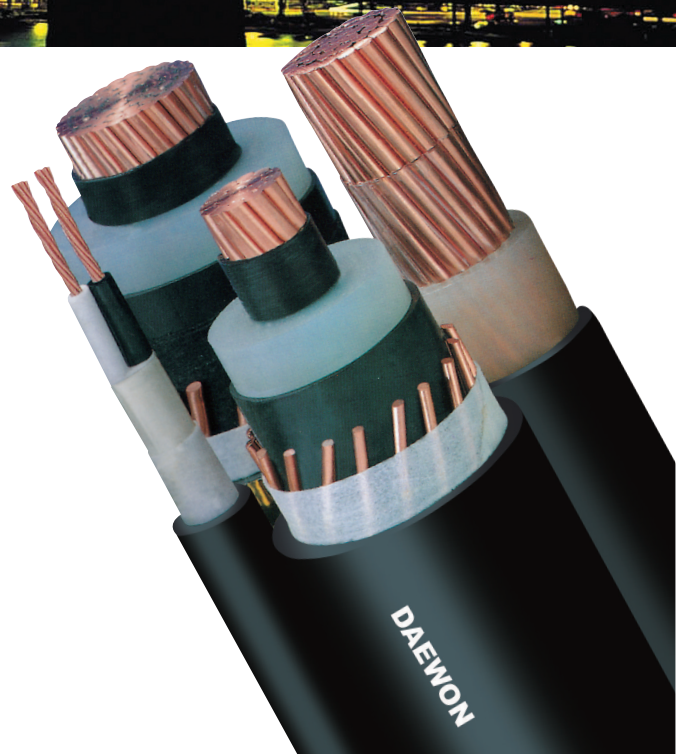


전력용 및 제어용 케이블

Power & Control Cable

DAEWON CABLE

- 0.6/1kV 비닐절연 비닐시스 케이블
- 0.6/1kV 제어용 케이블
- 자동차용 극박육 저압전선
- 엘리베이터용 비닐절연 비닐피복 케이블
- 0.6/1kV 가교 폴리에틸렌 케이블
- 6/10kV 가교 폴리에틸렌 케이블
- 22.9kV 동심 중성선 전력 케이블



0.6/1kV 비닐절연비닐시스케이블

KS C IEC 60502-1

0.6/1kV PVC Insulated PVC Sheathed Cable (VV)

장기간사용하여도내마모성및내후성이우수하여정격전압0.6/1kV 이하의저압회로에널리사용된다.

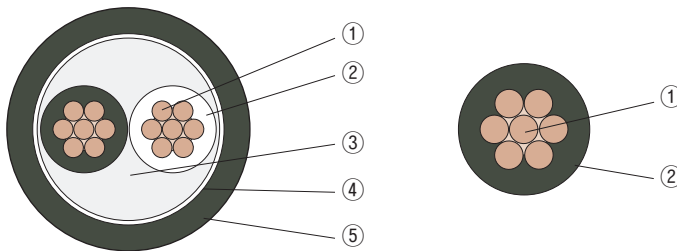
This cable has superior weather proof and anti-friction property, permitting of use for a long period of time and widely used for a low tension distribution wire under 0.6/1kV grade.

구 조

- 1.도 체: 전기용연동선(원형연선, 원형압축연선)
- 2.절 연 체: 염화비닐수지
- 3.절연체색: 착색

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

4.피복체: 염화비닐수지



Construction

1. Conductor : Annealed copper Wire
(Concentric Circular, Compact Circular)
2. Insulation : PVC
3. Core Identification : Colouring Method

No. of cores	Colour
2 cores	black, White
3 cores	black, White, Red
4 cores	black, White, Red, Green

4.Sheath : PVC

- | | |
|-------|--------------|
| ① 도체 | ① Conductor |
| ② 절연체 | ② Insulation |
| ③ 개재물 | ③ Filler |
| ④ 테이프 | ④ Tape |
| ⑤ 피복체 | ⑤ Sheath |

단심 Single Core

Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20°C Ω/km	Test Voltage V/5min.	Approx. Weight kg/km	Standard Length m
Nominal Sectional Area mm²	Number & Diameter of Wire No./mm	Approx. Outer Diameter mm							
1.5	7/0.53	1.59	0.8	1.4	6.5	12.1	3500	55	300
2.5	7/0.67	2.01			7.0	7.41		70	
4	7/0.85	2.55			8.0	4.61		95	
6	7/1.04	3.12	8.5		3.08	120			
10	7/1.35	4.05	9.5		1.83	170			
16	C.C.	4.7	10.0		1.15	225			
25	C.C.	5.9	1.2		11.5	0.727		335	
35	C.C.	6.9			12.5	0.524		435	
50	C.C.	8.1	1.4		14.0	0.387		585	
70	C.C.	9.7			15.5	0.268		775	
95	C.C.	11.3	1.6	1.5	18.0	0.193		1060	200
120	C.C.	12.8			19.5	0.153		1300	
150	C.C.	14.4	1.8	1.6	21.5	0.124		1610	
185	C.C.	15.9	2.0	1.7	24.0	0.0991		1990	
240	C.C.	18.3	2.2	1.8	27.0	0.0754		2580	
300	C.C.	20.3	2.4	1.9	29.5	0.0601		3200	150
400	C.C.	23.1	2.6	2.0	33.0	0.0470		4110	
500	C.C.	26.5	2.8	2.1	37.0	0.0366		5160	
630	C.C.	30.2		2.2	41.0	0.0283		6570	

※CC:원형압축

■ 2심 Two Core

Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20°C Ω/km	Test Voltage V/5min.	Approx. Weight kg/km	Standard Length m	
Nominal Sectional Area mm ²	Number & Diameter of Wire No./mm	Approx. Outer Diameter mm								
1.5	7/0.53	1.59	0.8	1.8	10.5	12.1	3500	130	300	
2.5	7/0.67	2.01			11.5	7.41		165		
4	7/0.85	2.55			13.5	4.61		230		
6	7/1.04	3.12	1.0		14.5	3.08		285		
10	7/1.35	4.05			16.5	1.83		400		
16	C.C.	4.7			18	1.15		525		
25	C.C.	5.9	1.2		21	0.727		775		
35	C.C.	6.9			23.5	0.524		990		
50	C.C.	8.1			26.5	0.387		1310		
70	C.C.	9.7	1.4	1.9	30	0.268		1775		
95	C.C.	11.3			1.6	34.5		0.193		
120	C.C.	12.8	2.1	37.5		0.153		2940		200
150	C.C.	14.4	1.8	2.2	42	0.124		3630		
185	C.C.	15.9	2.0	2.3	46	0.0991		4480		
240	C.C.	18.3	2.2	2.5	52	0.0754		5760		
300	C.C.	20.3	2.4	2.7	57	0.0601		7150		

※CC:원형 압축

■ 3심 Three Core

Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20°C Ω/km	Test Voltage V/5min.	Approx. Weight kg/km	Standard Length m
Nominal Sectional Area mm ²	Number & Diameter of Wire No./mm	Approx. Outer Diameter mm							
1.5	7/0.53	1.59	0.8	1.8	11.0	12.1	3500	160	300
2.5	7/0.67	2.01			12.0	7.41		200	
4	7/0.85	2.55			14.0	4.61		290	
6	7/1.04	3.12	15.5		3.08	370			
10	7/1.35	4.05	17.5		1.83	525			
16	C.C.	4.7	19.0		1.15	700			
25	C.C.	5.9	1.2		22.5	0.727		1045	
35	C.C.	6.9			24.5	0.524		1360	
50	C.C.	8.1	1.4		28	0.387		1840	
70	C.C.	9.7		1.9	31.5	0.268		2455	
95	C.C.	11.3	1.6	2.1	36.5	0.193		3350	
120	C.C.	12.8		2.2	40	0.153		4120	
150	C.C.	14.4	1.8	2.3	44.5	0.124		5100	200
185	C.C.	15.9	2.0	2.5	49	0.0991		6330	
240	C.C.	18.3	2.2	2.7	55.5	0.0754		8220	
300	C.C.	20.3	2.4	2.8	61	0.0601		10140	

※CC:원형 압축

■ 4심 Four Core

Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20 °C Ω/km	Test Voltage V/5min.	Approx. Weight kg/km	Standard Length m
Nominal Sectional Area mm²	Number & Diameter of Wire No./mm	Approx. Outer Diameter mm							
1.5	7/0.53	1.59	0.8	1.8	12.0	12.1	3500	190	300
2.5	7/0.67	2.01			13.0	7.41		240	
4	7/0.85	2.55			15.5	4.61		350	
6	7/1.04	3.12	1.0		17.0	3.08		455	
10	7/1.35	4.05			19.0	1.83		655	
16	C.C.	4.7			20.5	1.15		885	
25	C.C.	5.9	1.2		24.5	0.727		1350	
35	C.C.	6.9			27	0.524		1760	
50	C.C.	8.1		1.4	31	0.387		2390	
70	C.C.	9.7	2.0		35	0.268		3190	
95	C.C.	11.3	1.6		2.2	40.5		0.193	
120	C.C.	12.8		2.3	44	0.153		5380	
150	C.C.	14.4		1.8	2.5	49.5		0.124	6680
185	C.C.	15.9	2.0	2.6	54	0.0991		8270	200
240	C.C.	18.3	2.2	2.9	61.5	0.0754		10740	
300	C.C.	20.3	2.4	3.1	68	0.0601		13310	

※ CC:원형압축

0.6/1kV 제어용케이블

KS C IEC 60502-1/ K 60502-1

0.6/1kV Control Cable

발전소, 변전소등의0.6/1kV 이하의원격제어용으로 적합한케이블로서특히, 종전의연피고무케이블에 비해서매우가벼우며가요성, 난연성, 내마모성등이우수하며심선식별이선명한케이블이다.

■구조

- 1.도체: 전기용연동선
(단선, 원형연선)
- 2.절연체: PVC, XLPE
- 3.절연체색: 착색또는색테이프

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

4. 피복체: 염화비닐수지

■종류및기호

종류	기호
0.6/1kV 비닐절연비닐피복제어용케이블	0.6/1kV CVV
- 동테이프차폐케이블	0.6/1kV CVV-S
- 연동선편조차폐케이블	0.6/1kV CVV-SB
0.6/1kV XLPE 절연비닐피복제어용케이블	0.6/1kV CCV
- 동테이프 차폐 케이블	0.6/1kV CCV-S
- 연동선 편조 차폐 케이블	0.6/1kV CCV-SB

This cable is designed for use in remote and substation. It is lighter and more flexible control system under 0.6/1kV in power plant than conventional rubber insulated lead sheathed control cable, also excellent in fireproof and antifriction quality.

■ Construction

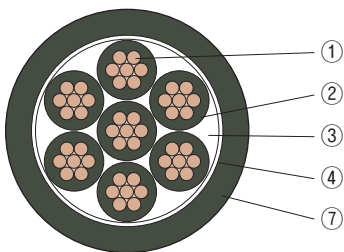
- 1.Conductor : Annealed copper Wire
(Solid, Concentric Circular)
- 2.Insulation : PVC, XLPE
3. Core Identification : Colouring Method or Color Tape

No. of cores	Colour
2 cores	black, White
3 cores	black, White, Red
4 cores	black, White, Red, Green

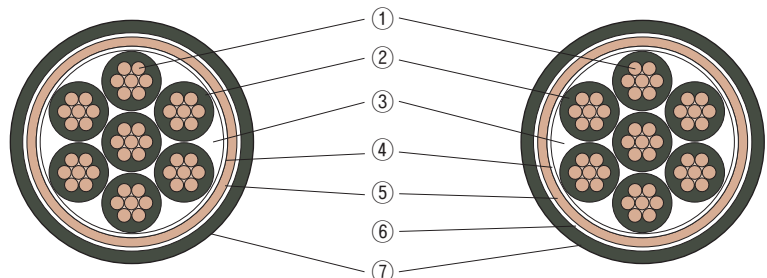
4. Sheath : PVC

■Class and Symbol

Class	Symbol
0.6/1kV PVC Insulated PVC Sheathed Control Cable	0.6/1kV CVV
- Copper Tape Shield	0.6/1kV CVV-S
- Shield Braid	0.6/1kV CVV-SB
0.6/1kV XLPE Insulated PVC Sheathed Control Cable	0.6/1kV CCV
- Copper Tape Shield	0.6/1kV CCV-S
- Shield Braid	0.6/1kV CCV-SB



0.6/1 kV CVV
0.6/1 kV CCV



0.6/1 kV CWV-SB
0.6/1 kV CCV-SB

0.6/1 kV CWV-S
0.6/1 kV CCV-S

- ① 도체
- ② 절연체
- ③ 개재물
- ④ 바인더테이프
- ⑤ 차폐층
- ⑥ 바인더테이프
- ⑦ 피복체

- ① Conductor
- ② Insulation
- ③ Filler
- ④ Binder Tape
- ⑤ Shield (Copper Tape,Shield Braid)
- ⑥ Binder Tape
- ⑦ Sheath

■ 0.6/1kV CVV

Nominal of Cores	Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Test Voltage V/5min	Approx. Weight kg/km	Standard Length m
	Nominal Sectional Area mm ²	Number & Diameter of Wire No./mm	Approx. Outer Diameter mm							
2	1.5	7/0.53	1.59	0.8	1.8	10.5	12.1	3500	130	300
	2.5	7/0.67	2.01	0.8		11.5	7.41		165	
	4	7/0.85	2.55	1.0		13.5	4.61		230	
	6	7/1.04	3.12	1.0		14.5	3.08		285	
	10	7/1.35	4.05	1.0		16.5	1.83		400	
3	1.5	7/0.53	1.59	0.8	1.8	11	12.1	3500	160	300
	2.5	7/0.67	2.01	0.8		12	7.41		200	
	4	7/0.85	2.55	1.0		14	4.61		290	
	6	7/1.04	3.12	1.0		15.5	3.08		370	
	10	7/1.35	4.05	1.0		17.5	1.83		525	
4	1.5	7/0.53	1.59	0.8	1.8	12	12.1	3500	190	300
	2.5	7/0.67	2.01	0.8		13	7.41		240	
	4	7/0.85	2.55	1.0		15.5	4.61		350	
	6	7/1.04	3.12	1.0		17	3.08		455	
	10	7/1.35	4.05	1.0		19	1.83		655	
5	1.5	7/0.53	1.59	0.8	1.8	13	12.1	3500	225	300
	2.5	7/0.67	2.01	0.8		14	7.41		290	
	4	7/0.85	2.55	1.0		17	4.61		420	
	6	7/1.04	3.12	1.0		18.5	3.08		545	
	10	7/1.35	4.05	1.0		21	1.83		790	
6	1.5	7/0.53	1.59	0.8	1.8	14	12.1	3500	260	300
	2.5	7/0.67	2.01	0.8		15.5	7.41		335	
	4	7/0.85	2.55	1.0		18	4.61		490	
	6	7/1.04	3.12	1.0		20	3.08		645	
	10	7/1.35	4.05	1.0		22.5	1.83		945	
7	1.5	7/0.53	1.59	0.8	1.8	14	12.1	3500	280	300
	2.5	7/0.67	2.01	0.8		15.5	7.41		360	
	4	7/0.85	2.55	1.0		18	4.61		540	
	6	7/1.04	3.12	1.0		20	3.08		705	
	10	7/1.35	4.05	1.0		22.5	1.83		1035	
8	1.5	7/0.53	1.59	0.8	1.8	15	12.1	3500	315	300
	2.5	7/0.67	2.01	0.8		16.5	7.41		405	
	4	7/0.85	2.55	1.0		19.5	4.61		600	
	6	7/1.04	3.12	1.0		21.5	3.08		795	
	10	7/1.35	4.05	1.0		24.5	1.83		1180	
10	1.5	7/0.53	1.59	0.8	1.8	17.5	12.1	3500	390	300
	2.5	7/0.67	2.01	0.8		19	7.41		510	
	4	7/0.85	2.55	1.0		23	4.61		755	
	6	7/1.04	3.12	1.0		25	3.08		980	
	10	7/1.35	4.05	1.0		29	1.83		1500	
12	1.5	7/0.53	1.59	0.8	1.8	18	12.1	3500	445	300
	2.5	7/0.67	2.01	0.8		19.5	7.41		580	
	4	7/0.85	2.55	1.0		23.5	4.61		870	
	6	7/1.04	3.12	1.0		26	3.08		1150	
	10	7/1.35	4.05	1.0		29.5	1.83		1740	
15	1.5	7/0.53	1.59	0.8	1.8	19	12.1	3500	530	300
	2.5	7/0.67	2.01	0.8		21	7.41		705	
	4	7/0.85	2.55	1.0		25.5	4.61		1050	
	6	7/1.04	3.12	1.0		28	3.08		1380	
20	1.5	7/0.53	1.59	0.8	1.8	21	12.1	3500	670	300
	2.5	7/0.67	2.01	0.8		23	7.41		890	
	4	7/0.85	2.55	1.0		28	4.61		1360	
	6	7/1.04	3.12	1.0		31	3.08		1800	
25	1.5	7/0.53	1.59	0.8	1.8	23	12.1	3500	770	300
	2.5	7/0.67	2.01	0.8	1.9	25.5	7.41		1040	
	4	7/0.85	2.55	1.0		29.5	4.61		1530	
30	1.5	7/0.53	1.59	0.8	1.8	25	12.1	3500	935	300
	2.5	7/0.67	2.01	0.8	1.9	28	7.41		1270	
	4	7/0.85	2.55	1.0		33.5	4.61		1900	
40	1.5	7/0.53	1.59	0.8	1.8	27.5	12.1	3500	1170	300
	2.5	7/0.67	2.01	0.8	1.9	31	7.41		1590	
50	1.5	7/0.53	1.59	0.8	1.9	30.5	12.1	3500	1490	300
	2.5	7/0.67	2.01	0.8	2.0	34	7.41		1980	

■ 0.6/1kV CW-S

Nominal of Cores	Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Test Voltage V/5min	Approx. Weight kg/km	Standard Length m
2	1.5	7/0.53	1.59	0.8	1.8	10.5	12.1	3500	140	300
	2.5	7/0.67	2.01	0.8		11.5	7.41		175	
	4	7/0.85	2.55	1.0		13.5	4.61		240	
	6	7/1.04	3.12	1.0		14.5	3.08		300	
	10	7/1.35	4.05	1.0		16.5	1.83		385	
3	1.5	7/0.53	1.59	0.8	1.8	11	12.1	3500	170	300
	2.5	7/0.67	2.01	0.8		12	7.41		210	
	4	7/0.85	2.55	1.0		14	4.61		300	
	6	7/1.04	3.12	1.0		15.5	3.08		380	
	10	7/1.35	4.05	1.0		17.5	1.83		535	
4	1.5	7/0.53	1.59	0.8	1.8	12	12.1	3500	205	300
	2.5	7/0.67	2.01	0.8		13	7.41		260	
	4	7/0.85	2.55	1.0		15.5	4.61		365	
	6	7/1.04	3.12	1.0		16.5	3.08		475	
	10	7/1.35	4.05	1.0		19	1.83		675	
5	1.5	7/0.53	1.59	0.8	1.8	13	12.1	3500	230	300
	2.5	7/0.67	2.01	0.8		14	7.41		300	
	4	7/0.85	2.55	1.0		16.5	4.61		445	
	6	7/1.04	3.12	1.0		18	3.08		570	
	10	7/1.35	4.05	1.0		20.5	1.83		825	
6	1.5	7/0.53	1.59	0.8	1.8	14	12.1	3500	265	300
	2.5	7/0.67	2.01	0.8		15	7.41		345	
	4	7/0.85	2.55	1.0		18	4.61		520	
	6	7/1.04	3.12	1.0		19.5	3.08		670	
	10	7/1.35	4.05	1.0		22.5	1.83		975	
7	1.5	7/0.53	1.59	0.8	1.8	14	12.1	3500	285	300
	2.5	7/0.67	2.01	0.8		15	7.41		380	
	4	7/0.85	2.55	1.0		18	4.61		560	
	6	7/1.04	3.12	1.0		19.5	3.08		725	
	10	7/1.35	4.05	1.0		22.5	1.83		1070	
8	1.5	7/0.53	1.59	0.8	1.8	15	12.1	3500	320	300
	2.5	7/0.67	2.01	0.8		16	7.41		430	
	4	7/0.85	2.55	1.0		19.5	4.61		630	
	6	7/1.04	3.12	1.0		21.5	3.08		820	
	10	7/1.35	4.05	1.0		24.5	1.83		1210	
10	1.5	7/0.53	1.59	0.8	1.8	17	12.1	3500	395	300
	2.5	7/0.67	2.01	0.8		19	7.41		520	
	4	7/0.85	2.55	1.0		23	4.61		800	
	6	7/1.04	3.12	1.0		25	3.08		1040	
	10	7/1.35	4.05	1.0		29	1.83		1520	
12	1.5	7/0.53	1.59	0.8	1.8	17.5	12.1	3500	450	300
	2.5	7/0.67	2.01	0.8		19.5	7.41		590	
	4	7/0.85	2.55	1.0		23.5	4.61		915	
	6	7/1.04	3.12	1.0		26	3.08		1200	
	10	7/1.35	4.05	1.0		29.5	1.83		1760	
15	1.5	7/0.53	1.59	0.8	1.8	19	12.1	3500	540	300
	2.5	7/0.67	2.01	0.8		21	7.41		710	
	4	7/0.85	2.55	1.0		25.5	4.61		1100	
	6	7/1.04	3.12	1.0		28	3.08		1460	
20	1.5	7/0.53	1.59	0.8	1.8	21	12.1	3500	680	300
	2.5	7/0.67	2.01	0.8		23	7.41		935	
	4	7/0.85	2.55	1.0		28	4.61		1410	
	6	7/1.04	3.12	1.0		31	3.08		1870	
25	1.5	7/0.53	1.59	0.8	1.8	23.5	12.1	3500	820	300
	2.5	7/0.67	2.01	0.8		26.5	7.41		1110	
	4	7/0.85	2.55	1.0	1.9	32	4.61		1770	
30	1.5	7/0.53	1.59	0.8	1.8	25	12.1	3500	960	300
	2.5	7/0.67	2.01	0.8		28	7.41		1290	
	4	7/0.85	2.55	1.0	1.9	34	4.61		2000	
40	1.5	7/0.53	1.59	0.8	1.8	28	12.1	3500	1220	300
	2.5	7/0.67	2.01	0.8	1.9	31.5	7.41		1680	
50	1.5	7/0.53	1.59	0.8	1.9	31	12.1	3500	1500	300
	2.5	7/0.67	2.01	0.8	2.0	34.5	7.41		2090	

■ 0.6/1kV CW-SB

Nominal of Cores	Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Test Voltage V/5min	Approx. Weight kg/km	Standard Length m
2	1.5	7/0.53	1.59	0.8	1.8	10.5	12.1	3500	150	300
	2.5	7/0.67	2.01	0.8		11.5	7.41		185	
	4	7/0.85	2.55	1.0		13.5	4.61		255	
	6	7/1.04	3.12	1.0		14.5	3.08		320	
	10	7/1.35	4.05	1.0		16.5	1.83		440	
3	1.5	7/0.53	1.59	0.8	1.8	11	12.1	3500	180	300
	2.5	7/0.67	2.01	0.8		12	7.41		220	
	4	7/0.85	2.55	1.0		14.5	4.61		320	
	6	7/1.04	3.12	1.0		15.5	3.08		400	
	10	7/1.35	4.05	1.0		17.5	1.83		570	
4	1.5	7/0.53	1.59	0.8	1.8	12	12.1	3500	215	300
	2.5	7/0.67	2.01	0.8		13	7.41		270	
	4	7/0.85	2.55	1.0		15.5	4.61		390	
	6	7/1.04	3.12	1.0		17	3.08		500	
	10	7/1.35	4.05	1.0		19	1.83		705	
5	1.5	7/0.53	1.59	0.8	1.8	13	12.1	3500	245	300
	2.5	7/0.67	2.01	0.8		14	7.41		310	
	4	7/0.85	2.55	1.0		17	4.61		465	
	6	7/1.04	3.12	1.0		18.5	3.08		600	
	10	7/1.35	4.05	1.0		21	1.83		855	
6	1.5	7/0.53	1.59	0.8	1.8	14	12.1	3500	280	300
	2.5	7/0.67	2.01	0.8		15.5	7.41		365	
	4	7/0.85	2.55	1.0		18	4.61		545	
	6	7/1.04	3.12	1.0		20	3.08		700	
	10	7/1.35	4.05	1.0		23	1.83		1020	
7	1.5	7/0.53	1.59	0.8	1.8	14	12.1	3500	295	300
	2.5	7/0.67	2.01	0.8		15.5	7.41		405	
	4	7/0.85	2.55	1.0		18	4.61		585	
	6	7/1.04	3.12	1.0		20	3.08		760	
	10	7/1.35	4.05	1.0		23	1.83		1110	
8	1.5	7/0.53	1.59	0.8	1.8	15	12.1	3500	340	300
	2.5	7/0.67	2.01	0.8		16.5	7.41		455	
	4	7/0.85	2.55	1.0		19.5	4.61		660	
	6	7/1.04	3.12	1.0		21.5	3.08		865	
	10	7/1.35	4.05	1.0		24.5	1.83		1260	
10	1.5	7/0.53	1.59	0.8	1.8	17.5	12.1	3500	420	300
	2.5	7/0.67	2.01	0.8		19	7.41		550	
	4	7/0.85	2.55	1.0		23	4.61		840	
	6	7/1.04	3.12	1.0		25	3.08		1090	
	10	7/1.35	4.05	1.0		29	1.83		1600	
12	1.5	7/0.53	1.59	0.8	1.8	18	12.1	3500	475	300
	2.5	7/0.67	2.01	0.8		19.5	7.41		620	
	4	7/0.85	2.55	1.0		23.5	4.61		960	
	6	7/1.04	3.12	1.0		26	3.08		1260	
	10	7/1.35	4.05	1.0		30.5	1.83		1890	
15	1.5	7/0.53	1.59	0.8	1.8	19	12.1	3500	565	300
	2.5	7/0.67	2.01	0.8		21	7.41		740	
	4	7/0.85	2.55	1.0		25.5	4.61		1170	
	6	7/1.04	3.12	1.0		28	3.08		1530	
20	1.5	7/0.53	1.59	0.8	1.8	21	12.1	3500	710	300
	2.5	7/0.67	2.01	0.8		23.5	7.41		980	
	4	7/0.85	2.55	1.0		28.5	4.61		1470	
	6	7/1.04	3.12	1.0		32	3.08		2000	
25	1.5	7/0.53	1.59	0.8	1.8	24	12.1	3500	870	300
	2.5	7/0.67	2.01	0.8		26.5	7.41		1180	
	4	7/0.85	2.55	1.0		33	4.61		1830	
30	1.5	7/0.53	1.59	0.8	1.8	25.5	12.1	3500	1010	300
	2.5	7/0.67	2.01	0.8		28	7.41		1370	
	4	7/0.85	2.55	1.0		35.5	4.61		2180	
40	1.5	7/0.53	1.59	0.8	1.8	28.5	12.1	3500	1300	300
	2.5	7/0.67	2.01	0.8		32	7.41		1860	
50	1.5	7/0.53	1.59	0.8	1.9	31.5	12.1	3500	1630	300
	2.5	7/0.67	2.01	0.8		35.5	7.41		2240	

■ 0.6/1kV CCV

Nominal of Cores	Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Test Voltage V/5min	Approx. Weight kg/km	Standard Length m
	Nominal Sectional Area mm ²	Number & Diameter of Wire No./mm	Approx. Outer Diameter mm							
2	1.5	7/0.53	1.59	0.7	1.8	10.5	12.1	3500	120	300
	2.5	7/0.67	2.01			11	7.41		145	
	4	7/0.85	2.55			12.5	4.61		190	
	6	7/1.04	3.12			13.5	3.08		245	
	10	7/1.35	4.05			15.5	1.83		350	
3	1.5	7/0.53	1.59	0.7	1.8	11	12.1	3500	140	300
	2.5	7/0.67	2.01			11.5	7.41		180	
	4	7/0.85	2.55			13	4.61		240	
	6	7/1.04	3.12			14	3.08		315	
	10	7/1.35	4.05			16	1.83		455	
4	1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3500	170	300
	2.5	7/0.67	2.01			12.5	7.41		215	
	4	7/0.85	2.55			14	4.61		295	
	6	7/1.04	3.12			15.5	3.08		385	
	10	7/1.35	4.05			17.5	1.83		580	
5	1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3500	190	300
	2.5	7/0.67	2.01			13.5	7.41		260	
	4	7/0.85	2.55			15	4.61		350	
	6	7/1.04	3.12			16.5	3.08		460	
	10	7/1.35	4.05			19	1.83		695	
6	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3500	230	300
	2.5	7/0.67	2.01			14.5	7.41		300	
	4	7/0.85	2.55			16.5	4.61		410	
	6	7/1.04	3.12			18	3.08		545	
	10	7/1.35	4.05			21	1.83		835	
7	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3500	245	300
	2.5	7/0.67	2.01			14.5	7.41		320	
	4	7/0.85	2.55			16.5	4.61		440	
	6	7/1.04	3.12			18	3.08		600	
	10	7/1.35	4.05			21	1.83		905	
8	1.5	7/0.53	1.59	0.7	1.8	14.5	12.1	3500	270	300
	2.5	7/0.67	2.01			15.5	7.41		360	
	4	7/0.85	2.55			17.5	4.61		495	
	6	7/1.04	3.12			19.5	3.08		670	
	10	7/1.35	4.05			22.5	1.83		1030	
10	1.5	7/0.53	1.59	0.7	1.8	16.5	12.1	3500	330	300
	2.5	7/0.67	2.01			18	7.41		450	
	4	7/0.85	2.55			20.5	4.61		625	
	6	7/1.04	3.12			22.5	3.08		835	
	10	7/1.35	4.05			26.5	1.83		1280	
12	1.5	7/0.53	1.59	0.7	1.8	17	12.1	3500	370	300
	2.5	7/0.67	2.01			18.5	7.41		515	
	4	7/0.85	2.55			21	4.61		720	
	6	7/1.04	3.12			23.5	3.08		960	
	10	7/1.35	4.05			27	1.83		1530	
15	1.5	7/0.53	1.59	0.7	1.8	18	12.1	3500	440	300
	2.5	7/0.67	2.01			20	7.41		615	
	4	7/0.85	2.55			22.5	4.61		870	
	6	7/1.04	3.12			25	3.08		1170	
20	1.5	7/0.53	1.59	0.7	1.8	20	12.1	3500	550	300
	2.5	7/0.67	2.01			22	7.41		780	
	4	7/0.85	2.55			25	4.61		1110	
	6	7/1.04	3.12			28	3.08		1510	
25	1.5	7/0.53	1.59	0.7	1.8	22.5	12.1	3500	670	300
	2.5	7/0.67	2.01			25	7.41		965	
	4	7/0.85	2.55			28.5	4.61		1340	
30	1.5	7/0.53	1.59	0.7	1.8	24	12.1	3500	775	300
	2.5	7/0.67	2.01			26.5	7.41		1100	
	4	7/0.85	2.55			30	4.61		1580	
40	1.5	7/0.53	1.59	0.7	1.8	26.5	12.1	3500	1000	300
	2.5	7/0.67	2.01			29.5	7.41		1450	
50	1.5	7/0.53	1.59	0.7	1.8	29	12.1	3500	1210	300
	2.5	7/0.67	2.01			33	7.41		1740	

0.6/1kV CCV-S

Nominal of Cores	Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Test Voltage V/5min	Approx. Weight kg/km	Standard Length m
2	1.5	7/0.53	1.59	0.7	1.8	10	12.1	3500	130	300
	2.5	7/0.67	2.01			11	7.41		155	
	4	7/0.85	2.55			12	4.61		200	
	6	7/1.04	3.12			13	3.08		255	
	10	7/1.35	4.05			15	1.83		365	
3	1.5	7/0.53	1.59	0.7	1.8	10.5	12.1	3500	150	300
	2.5	7/0.67	2.01			11.5	7.41		190	
	4	7/0.85	2.55			12.5	4.61		250	
	6	7/1.04	3.12			14	3.08		330	
	10	7/1.35	4.05			16	1.83		470	
4	1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3500	180	300
	2.5	7/0.67	2.01			12.5	7.41		225	
	4	7/0.85	2.55			14	4.61		305	
	6	7/1.04	3.12			15	3.08		400	
	10	7/1.35	4.05			17.5	1.83		595	
5	1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3500	200	300
	2.5	7/0.67	2.01			13.5	7.41		270	
	4	7/0.85	2.55			15	4.61		360	
	6	7/1.04	3.12			16.5	3.08		475	
	10	7/1.35	4.05			19	1.83		715	
6	1.5	7/0.53	1.59	0.7	1.8	13	12.1	3500	245	300
	2.5	7/0.67	2.01			14.5	7.41		315	
	4	7/0.85	2.55			16	4.61		425	
	6	7/1.04	3.12			18	3.08		560	
	10	7/1.35	4.05			20.5	1.83		855	
7	1.5	7/0.53	1.59	0.7	1.8	13	12.1	3500	255	300
	2.5	7/0.67	2.01			14.5	7.41		335	
	4	7/0.85	2.55			16	4.61		455	
	6	7/1.04	3.12			18	3.08		620	
	10	7/1.35	4.05			20.5	1.83		925	
8	1.5	7/0.53	1.59	0.7	1.8	14	12.1	3500	285	300
	2.5	7/0.67	2.01			15.5	7.41		375	
	4	7/0.85	2.55			17.5	4.61		515	
	6	7/1.04	3.12			19	3.08		690	
	10	7/1.35	4.05			22.5	1.83		1050	
10	1.5	7/0.53	1.59	0.7	1.8	16.5	12.1	3500	345	300
	2.5	7/0.67	2.01			18	7.41		470	
	4	7/0.85	2.55			20	4.61		645	
	6	7/1.04	3.12			22.5	3.08		870	
	10	7/1.35	4.05			26	1.83		1300	
12	1.5	7/0.53	1.59	0.7	1.8	17	12.1	3500	385	300
	2.5	7/0.67	2.01			18.5	7.41		530	
	4	7/0.85	2.55			21	4.61		740	
	6	7/1.04	3.12			23	3.08		985	
	10	7/1.35	4.05			27	1.83		1560	
15	1.5	7/0.53	1.59	0.7	1.8	18	12.1	3500	455	300
	2.5	7/0.67	2.01			20	7.41		635	
	4	7/0.85	2.55			22.5	4.61		890	
	6	7/1.04	3.12			25	3.08		1200	
20	1.5	7/0.53	1.59	0.7	1.8	20	12.1	3500	570	300
	2.5	7/0.67	2.01			22	7.41		805	
	4	7/0.85	2.55			25	4.61		1140	
	6	7/1.04	3.12			28	3.08		1550	
25	1.5	7/0.53	1.59	0.7	1.8	22.5	12.1	3500	695	300
	2.5	7/0.67	2.01			25	7.41		955	
	4	7/0.85	2.55			28	4.61		1370	
30	1.5	7/0.53	1.59	0.7	1.8	23.5	12.1	3500	800	300
	2.5	7/0.67	2.01			26.5	7.41		1130	
	4	7/0.85	2.55			30	4.61		1620	
40	1.5	7/0.53	1.59	0.7	1.8	26.5	12.1	3500	1030	300
	2.5	7/0.67	2.01			29.5	7.41		1490	
50	1.5	7/0.53	1.59	0.7	1.8	29	12.1	3500	1240	300
	2.5	7/0.67	2.01			32.5	7.41		1770	

■ 0.6/1kV CCV-SB

Nominal of Cores	Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Test Voltage V/5min	Approx. Weight kg/km	Standard Length m
2	1.5	7/0.53	1.59	0.7	1.8	10.5	12.1	3500	135	300
	2.5	7/0.67	2.01			11	7.41		170	
	4	7/0.85	2.55			12	4.61		210	
	6	7/1.04	3.12			13.5	3.08		270	
	10	7/1.35	4.05			15.5	1.83		385	
3	1.5	7/0.53	1.59	0.7	1.8	11	12.1	3500	155	300
	2.5	7/0.67	2.01			11.5	7.41		200	
	4	7/0.85	2.55			13	4.61		265	
	6	7/1.04	3.12			14	3.08		345	
	10	7/1.35	4.05			16	1.83		495	
4	1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3500	190	300
	2.5	7/0.67	2.01			12.5	7.41		240	
	4	7/0.85	2.55			14	4.61		320	
	6	7/1.04	3.12			15.5	3.08		420	
	10	7/1.35	4.05			17.5	1.83		620	
5	1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3500	210	300
	2.5	7/0.67	2.01			13.5	7.41		280	
	4	7/0.85	2.55			15	4.61		380	
	6	7/1.04	3.12			16.5	3.08		500	
	10	7/1.35	4.05			19	1.83		740	
6	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3500	255	300
	2.5	7/0.67	2.01			14.5	7.41		335	
	4	7/0.85	2.55			16.5	4.61		445	
	6	7/1.04	3.12			18	3.08		590	
	10	7/1.35	4.05			21	1.83		875	
7	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3500	265	300
	2.5	7/0.67	2.01			14.5	7.41		355	
	4	7/0.85	2.55			16.5	4.61		480	
	6	7/1.04	3.12			18	3.08		645	
	10	7/1.35	4.05			21	1.83		960	
8	1.5	7/0.53	1.59	0.7	1.8	14.5	12.1	3500	305	300
	2.5	7/0.67	2.01			16	7.41		400	
	4	7/0.85	2.55			17.5	4.61		540	
	6	7/1.04	3.12			19.5	3.08		720	
	10	7/1.35	4.05			22.5	1.83		1100	
10	1.5	7/0.53	1.59	0.7	1.8	16.5	12.1	3500	365	300
	2.5	7/0.67	2.01			18	7.41		495	
	4	7/0.85	2.55			20.5	4.61		675	
	6	7/1.04	3.12			23	3.08		915	
	10	7/1.35	4.05			26.5	1.83		1370	
12	1.5	7/0.53	1.59	0.7	1.8	17	12.1	3500	410	300
	2.5	7/0.67	2.01			19	7.41		560	
	4	7/0.85	2.55			21	4.61		770	
	6	7/1.04	3.12			23.5	3.08		1050	
	10	7/1.35	4.05			27.5	1.83		1630	
15	1.5	7/0.53	1.59	0.7	1.8	18	12.1	3500	480	300
	2.5	7/0.67	2.01			20	7.41		665	
	4	7/0.85	2.55			22.5	4.61		935	
	6	7/1.04	3.12			25.5	3.08		1260	
20	1.5	7/0.53	1.59	0.7	1.8	20	12.1	3500	600	300
	2.5	7/0.67	2.01			22.5	7.41		850	
	4	7/0.85	2.55			25	4.61		1190	
	6	7/1.04	3.12			28.5	3.08		1640	
25	1.5	7/0.53	1.59	0.7	1.8	22.5	12.1	3500	740	300
	2.5	7/0.67	2.01			25.5	7.41		1040	
	4	7/0.85	2.55			28.5	4.61		1440	
30	1.5	7/0.53	1.59	0.7	1.8	24	12.1	3500	850	300
	2.5	7/0.67	2.01			27	7.41		1220	
	4	7/0.85	2.55			30.5	4.61		1770	
40	1.5	7/0.53	1.59	0.7	1.8	27	12.1	3500	1090	300
	2.5	7/0.67	2.01			30	7.41		1610	
50	1.5	7/0.53	1.59	0.7	1.8	29.5	12.1	3500	1360	300
	2.5	7/0.67	2.01			33.5	7.41		1900	

자동차용극박육저압전선

Very Thin Low-voltage Cables for Automobiles

■ 구조

1. 도 체 : 연동선
2. 절 연 체
 - AVSS : PVC
 - AVX : 조사가교PVC
 - AEX : 조사가교PE

■ 용도

- AVSS : 경량화, 도형화를요구하는배선
- AVX, AEX : 엔진및내열을요구하는배선

■ Construction

1. Conductor : Annealed stranded copper
2. Insulation
 - AVSS : Polyvinylchloride
 - AVX : Crosslinked Polyvinylchloride
 - AEX : Crosslinked Polyethylene

■ Specification

- JASO D 608
- KIS-ES-1019 AVSS
- KIS-ES-1016 AUX, AEX

■ AVSS

공 칭 단면적	도체 Conductor			절연체 두께	케이블외경 Overall Diameter		도체 저항	표준 길이
	소선수/소선경	계산 단면적	외경		표준 Standard mm	최대 Maximum mm		
Nominal Size mm ²	No./Dia.of Wire No./mm	Calculated Area mm ²	Outer Diameter mm	Insulation Thickness mm	표준 Standard mm	최대 Maximum mm	Conductor Resistance at 20℃ Ω/Km	Standard Length m
0.3	7/0.26	0.3716	0.8	0.3	1.4	1.5	50.2	1000
0.5	7/0.32	0.5629	1.0	0.3	1.6	1.7	32.7	1000
0.85	19/0.24	0.8595	1.2	0.3	1.8	1.9	21.7	1000
1.25	19/0.29	1.2550	1.5	0.3	2.1	2.2	14.9	500
2	37/0.26	1.9644	1.8	0.4	2.6	2.7	9.5	500

■ AVX, AEX

공 칭 단면적	도체 Conductor			절연체 두께	케이블외경 Overall Diameter		도체 저항	개산중량		표준 길이
	소선수/소선경	계산 단면적	외경		표준 Standard mm	최대 Maximum mm		AEX kg/km	AVX kg/km	
Nominal Size mm ²	No./Dia.of Wire No./mm	Calculated Area mm ²	Outer Diameter mm	Insulation Thickness mm	표준 Standard mm	최대 Maximum mm	Conductor Resistance at 20℃ Ω/Km	AEX kg/km	AVX kg/km	Standard Length m
0.3f	12/0.18	0.3054	0.72	0.5	1.72	1.82	0.053	5.57	5.55	500
0.3	7/0.26	0.3716	0.79	0.5	1.79	1.89	0.0479	6.32	6.30	500
0.5f	20/0.18	0.5089	0.93	0.5	1.93	2.03	0.0367	7.88	7.86	500
0.5	7/0.32	0.5630	0.98	0.5	1.98	2.08	0.0327	8.48	8.45	500
0.75f	30/0.18	0.7634	1.14	0.5	2.14	2.24	0.0244	10.65	10.63	500
0.85f	34/0.18	0.8652	1.21	0.5	2.21	2.31	0.0205	11.78	11.70	500
0.85	11/0.32	0.8847	1.22	0.5	2.22	2.32	0.0208	11.93	11.90	500
1.25f	50/0.18	1.272	1.47	0.6	2.67	2.79	0.0147	17.19	17.15	500
1.25	16/0.32	1.287	1.48	0.6	2.68	2.80	0.0143	17.34	17.30	500
2f	79/0.18	2.010	1.85	0.6	3.05	3.17	0.00868	24.88	24.83	300
2	25/0.32	2.091	1.88	0.6	3.08	3.20	0.00881	25.68	25.64	300
3f	119/0.18	3.028	2.27	0.7	3.67	3.81	0.00580	36.84	36.78	300
3	41/0.32	3.297	2.36	0.7	3.76	3.90	0.00559	39.50	39.50	300
5f	207/0.18	5.268	3.00	0.8	4.60	4.76	0.00320	61.10	61.34	300
5	65/0.32	5.228	2.98	0.8	4.58	4.74	0.00352	61.00	60.90	300
8f	315/0.18	8.016	3.70	0.8	5.30	5.46	0.00200	88.46	88.63	150
8	50/0.45	7.952	3.67	0.8	5.27	5.43	0.00232	87.77	87.94	150
15	84/0.45	13.359	4.90	1.1	7.10	7.30	0.00138	150.50	150.30	300
15f	589/0.18	14.96	5.10	1.1	7.30	7.52	0.00120	165.80	165.60	300
20	126/0.45	20.039	6.60	1.1	8.80	9.02	0.00089	230.60	230.40	300

0.6/1kV 가교폴리에틸렌케이블

KS C IEC 60502-1

0.6/1kV XLPE Insulated Power Cable (CV)

0.6/1kV의 전력회로에 사용하며 전기적, 물리적, 화학적 특성이 우수한 케이블이다.

This cable is designed for the purpose of using in power distribution line, having excellent electrical, physical and chemical properties.

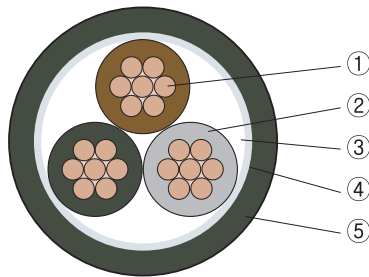
■ 구조

1. 도체: 전기용연동선
(원형, 원형압축연선)
2. 절연체: XLPE
3. 선심 식별: 착색 또는 색테이프

선심수	색
2 심	갈, 흑
3 심	갈, 흑, 회
4 심	갈, 흑, 회, 청

※ 상기 색상은 기본 색상이며, 요청에 의해 변경 가능함.

4. 피복체: PVC



- | | |
|-----------|---------------|
| ① 도체 | ① Conductor |
| ② 절연체 | ② Insulation |
| ③ 개재물 | ③ Filler |
| ④ 바인더 테이프 | ④ Binder Tape |
| ⑤ 피복체 | ⑤ Sheath |

■ Construction

1. Conductor : Annealed copper Wire
(Concentric Circular, Compact Circular)
2. Insulation : XLPE
3. Core Identification : Colouring Method or Color Tape

No. of cores	Colour
2 cores	Brown, Black
3 cores	Brown, Black, Gray
4 cores	Brown, Black, Gray, Blue

※ Above colors are basic colors and can be changed upon request.

4. Sheath : PVC

■ 단심 Single Core

Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20°C Ω/km	Test Voltage V/5min.	Approx. Weight kg/km	Standard Length m
Nominal Sectional Area mm ²	Number & Diameter of Wire No./mm	Approx. Outer Diameter mm							
1.5	7/0.53	1.59	0.7	1.4	6.0	12.1	3500	50	300
2.5	7/0.67	2.01			6.4	7.41		65	
4	7/0.85	2.55			7.0	4.61		80	
6	7/1.04	3.12			7.5	3.08		105	
10	7/1.35	4.05			8.5	1.83		150	
16	C.C.	4.7			9.1	1.15		205	
25	C.C.	5.9	0.9	1.5	11	0.727		310	
35	C.C.	6.9			12	0.524		405	
50	C.C.	8.1			13.5	0.387		545	
70	C.C.	9.7	1.1		15	0.268		735	
95	C.C.	11.3			17	0.193		990	
120	C.C.	12.8	1.2		18.5	0.153		1230	
150	C.C.	14.4	1.4	1.6	21	0.124		1530	200
185	C.C.	15.9	1.6		22.5	0.0991		1890	
240	C.C.	18.3	1.7	1.7	25.5	0.0754		2450	
300	C.C.	20.3	1.8	1.8	28	0.0601		3030	
400	C.C.	23.1	2.0	1.9	31.5	0.0470		3920	
500	C.C.	26.5	2.2	2.0	35.5	0.0366		4930	150
630	C.C.	30.2	2.4	2.2	40	0.0283		6350	

※ CC: 원형 압축

■ 2심 Two Core

Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20 °C Ω/km	Test Voltage V/5min.	Approx. Weight kg/km	Standard Length m
Nominal Sectional Area mm²	Number & Diameter of Wire No./mm	Approx. Outer Diameter mm							
1.5	7/0.53	1.59	0.7	1.8	10.5	12.1	3500	120	300
2.5	7/0.67	2.01			11	7.41		145	
4	7/0.85	2.55			12.5	4.61		190	
6	7/1.04	3.12			13.5	3.08		245	
10	7/1.35	4.05			15.5	1.83		350	
16	C.C.	4.7			16.5	1.15		475	
25	C.C.	5.9	0.9		20	0.727		705	
35	C.C.	6.9			22	0.524		920	
50	C.C.	8.1	1.0		24.5	0.387		1230	
70	C.C.	9.7	1.1		28	0.268		1660	
95	C.C.	11.3		1.9	32	0.193		2230	
120	C.C.	12.8	1.2	2.0	35.5	0.153		2770	200
150	C.C.	14.4	1.4	2.2	40	0.124		3450	
185	C.C.	15.9	1.6	2.3	44	0.0991		4270	
240	C.C.	18.3	1.7	2.5	49.5	0.0754		5500	
300	C.C.	20.3	1.8	2.6	54	0.0601		6780	

※CC:원형 압축

■ 3심 Three Core

Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Test Voltage V/5min.	Approx. Weight kg/km	Standard Length m	
Nominal Sectional Area mm²	Number & Diameter of Wire No./mm	Approx. Outer Diameter mm								
1.5	7/0.53	1.59	0.7	1.8	11	12.1	3500	140	300	
2.5	7/0.67	2.01			11.5	7.41		180		
4	7/0.85	2.55			13	4.61		240		
6	7/1.04	3.12			14	3.08		315		
10	7/1.35	4.05			16	1.83		455		
16	C.C.	4.7			17.5	1.15		635		
25	C.C.	5.9	0.9		21	0.727		960		
35	C.C.	6.9			23	0.524		1270		
50	C.C.	8.1	1.0		26	0.387		1700		
70	C.C.	9.7	1.1		1.9	30.5		0.268		
95	C.C.	11.3		2.0	34	0.193		3140		
120	C.C.	12.8	1.2	2.1	38	0.153		3910	200	
150	C.C.	14.4	1.4	2.3	42.5	0.124		4870		
185	C.C.	15.9	1.6	2.4	47	0.0991		6040		
240	C.C.	18.3	1.7	2.6	53	0.0754		7810		
300	C.C.	20.3	1.8	2.7	58	0.0601		9690		

※CC:원형 압축

■ 4심 Four Core

Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Test Voltage V/5min.	Approx. Weight kg/km	Standard Length m
Nominal Sectional Area mm ²	Number & Diameter of Wire No./mm	Approx. Outer Diameter mm							
1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3500	170	300
2.5	7/0.67	2.01			12.5	7.41		215	
4	7/0.85	2.55			14	4.61		295	
6	7/1.04	3.12			15.5	3.08		385	
10	7/1.35	4.05			17.5	1.83		580	
16	C.C.	4.7			19	1.15		800	
25	C.C.	5.9	0.9	1.9	23	0.727		1230	
35	C.C.	6.9			25.5	0.524		1630	
50	C.C.	8.1	1.0	2	29	0.387		2210	
70	C.C.	9.7	1.1	2.1	33.5	0.268		3030	
95	C.C.	11.3		2.3	38	0.193		4100	
120	C.C.	12.8	1.2	2.4	42.5	0.153		5130	200
150	C.C.	14.4	1.4	2.6	47.5	0.124		6340	
185	C.C.	15.9	1.6	2.8	52.5	0.0991		7910	
240	C.C.	18.3	1.7	3.0	59	0.0754		10220	
300	C.C.	20.3	1.8		65	0.0601		12670	

※ CC: 원형 압축

6/10kV 가교폴리에틸렌케이블

KS C IEC 60502-2

6/10 KV XLPE Insulated Power Cable (CV, CVT)

6/10kV의 전력회로에 사용하며 전기적, 물리적, 화학적 특성이 우수한 케이블이다.

This cable is designed for the purpose of using in power distribution line, having excellent electrical, physical and chemical properties.

■ 구조

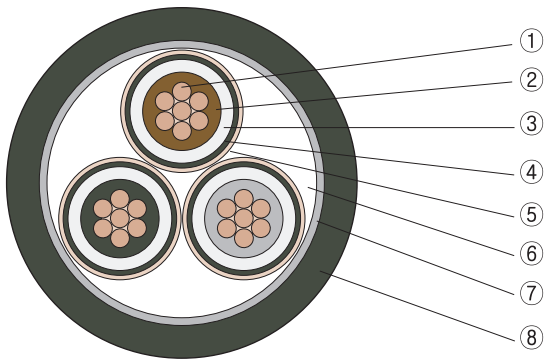
1. 도 체 : 전기용연동성(원형압축)
2. 절 연 체 : XLPE
3. 선심식별 : 갈색, 흑색, 회색
4. 차 페 : 연동테이프
5. 피 복 체 : PVC

※ 상기 색상은 기본 색상이며, 요청에 의해 변경 가능함.

■ Construction

1. Conductor : Annealed copper Wire
(Compact Circular)
2. Insulation : XLPE
3. Core Identification : Brown, Black, Gray
4. Shield : Copper Tape
5. Sheath : PVC

※ Above colors are basic colors and can be changed upon request.



- | | |
|-----------|-------------------------|
| ① 도 체 | ① Conductor |
| ② 내부 반도전층 | ② Semi-Conductive layer |
| ③ 절연체 | ③ XLPE |
| ④ 외부반도전층 | ④ Semi-Conductive layer |
| ⑤ 연동 테이프 | ⑤ Copper Tape |
| ⑥ 개재물 | ⑥ Filler |
| ⑦ 바인더 테이프 | ⑦ Binder Tape |
| ⑧ 피복체 | ⑧ PVC |

■ 단심 Single Core

Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Test Voltage V/5min.	Approx. Weight kg/km	Standard Length m
Nominal Sectional Area mm ²	Number & Diameter of Wire No./mm	Approx. Outer Diameter mm							
16	C.C.	4.7	3.4	1.5	18.5	1.150	21	450	300
25	C.C.	5.9	3.4	1.5	19.5	0.727	21	560	
35	C.C.	6.9	3.4	1.6	21	0.524	21	685	
50	C.C.	8.1	3.4	1.6	22	0.387	21	835	
70	C.C.	9.7	3.4	1.7	24	0.268	21	1060	
95	C.C.	11.3	3.4	1.7	25.5	0.193	21	1340	
120	C.C.	12.8	3.4	1.8	27.5	0.153	21	1610	
150	C.C.	14.4	3.4	1.8	29	0.124	21	1900	
185	C.C.	15.9	3.4	1.9	30.5	0.0991	21	2290	
240	C.C.	18.3	3.4	2.0	33.5	0.0754	21	2890	
300	C.C.	20.3	3.4	2.0	35.5	0.0601	21	3480	
400	C.C.	23.1	3.4	2.2	39	0.0470	21	4420	
500	C.C.	26.5	3.4	2.2	42	0.0366	21	5440	
630	C.C.	30.2	3.4	2.3	46	0.0283	21	6870	

※ CC: 원형압축

■ 3심일괄형 Three Core

Conductor			Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Test Voltage V/1min.	Approx. Weight kg/km	Standard Length m
Nominal Sectional Area mm ²	Number & Diameter of Wire No./mm	Approx. Outer Diameter mm							
16	C.C.	4.7	3.4	2.1	36.5	1.150	21	1510	300
25	C.C.	5.9	3.4	2.2	39	0.727	21	1920	
35	C.C.	6.9	3.4	2.3	41.5	0.524	21	2310	
50	C.C.	8.1	3.4	2.4	44.5	0.387	21	2820	
70	C.C.	9.7	3.4	2.5	48	0.268	21	3520	
95	C.C.	11.3	3.4	2.6	51.5	0.193	21	4440	
120	C.C.	12.8	3.4	2.7	55	0.153	21	5270	
150	C.C.	14.4	3.4	2.8	59	0.124	21	6290	
185	C.C.	15.9	3.4	2.9	62	0.0991	21	7500	
240	C.C.	18.3	3.4	3.1	68	0.0754	21	9410	
300	C.C.	20.3	3.4	3.3	72.5	0.0601	21	11330	

※CC: 원형 압축

22.9kV 동심중성선전력케이블

DEB-72595-A/ES-6145-0019/ES-6145-0025

22.9kV Grade XLPEInsulated PVC / HF-PO Sheathed Concentric Neutral Power Cable
(22.9kV CNCV-W / 22.9kV FR CNCO-W)

22.9kV Grade TR-XLPEInsulated PE Sheathed Concentric Neutral Power Cable
(22.9kV TR CNCE-W)

22.9kV -y 다중접지계통의지중배전선로용으로전기적,
물리적, 화학적으로특성이우수한케이블이다.

■ 구조

1. 도 체 : 전기용연동선(수밀압축연선)
2. 내부반도전층 : 반도체성 컴파운드
수트리 억제형반도전성 컴파운드
3. 절 연 체 : XLPE / TR-XLPE
4. 외부반도전층 : 반도체성 컴파운드
수트리 억제형반도전성 컴파운드
5. 동 심 중 성 선 : 전기용연동선
6. 피 복 체 : PVC / HF-PO
PE

This cable is the purpose of using in power distribution line having excellent electrical, physical and chemical properties.

■ Construction

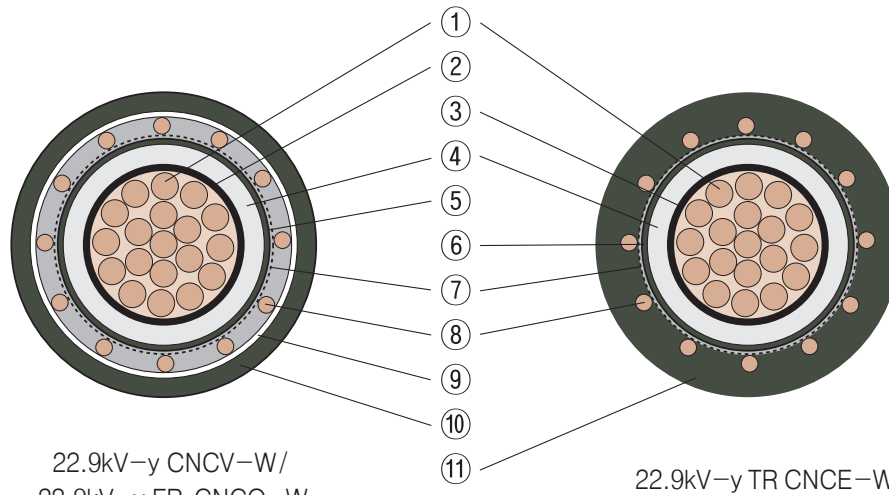
1. Conductor : Annealed copper wire(water blocking compact circular)
2. Conductor screen : Semi-conductive compound
TRSemi-conductive compound
3. Insulation : XLPE / TR-XLPE
4. Insulation screen : Semi-conductive compound
TRSemi-conductive compound
5. Concentric Neutral Conductor : Annealed copper wire
6. Seath : PVC / Halogen Free Polyolefin
PE

■ 종류및기호

종류	기호
22.9kV 가교폴리 에틸렌 절연비닐 피복 동심중성선 수밀형 케이블	22.9kV -y CNCV-W
22.9kV 가교폴리 에틸렌 절연 저독 난연 폴리올레핀 피복 동심중성선 수밀형 케이블	22.9kV -y FR CNCO-W
22.9kV 수트리억제형 폴리에틸렌절연 폴리 에틸렌 피복 동심중성선 수밀형 케이블	22.9kV -y TR CNCE-W

■ Class and Symbol

Class	Symbol
22.9kVXLPE insulated PVC Sheathed concentric neutral power cables(Longitudinal and Radial Water Blocking)	22.9kV -y CNCV-W
22.9kV XLPE insulated HF -PO Sheathed concentric neutral power cables(Longitudinal and Radial Water Blocking)	22.9kV -y FR CNCO-W
22.9kV TR- XLPE insulated PE Sheathed concentric neutral power cables(Longitudinal and Radial Water Blocking)	22.9kV -y TR CNCE-W



수밀도체
내부반도전층
내부반도전층
절연체
외부반도전층
외부반도전층
반도전성부풀음테이프
동심중성선
비도전성부풀음테이프
피복
피복

- ① Water Blocking Conductor
- ② Semi-Conductive Conductor Screen Compound
- ③ TR Semi-conductive Compound
- ④ XLPE / TR-XLPE Insulation
- ⑤ Semi-Conductive Insulation Screen Compound
- ⑥ TR Semi-conductive Compound
- ⑦ Semi-Conductive Swellable Tape
- ⑧ Concentric Neutral Conductor
- ⑨ Swellable Tape
- ⑩ PVC / HF-PO
- ⑪ PE

■ 22.9kV-y CNCV-W

■ 22.9kV-y FR CNCO-W

Conductor			Average Insulation Thickness	Sheath Thickness	Approx Overall Dia mm	Conductor Resistance at 20℃ Ω/km	AC Test Voltage KV/5min	Insulation Resistance at 20℃ MΩ·km	Approx Cable weight kg/km	Standard Reel Length m
Nominal Cross-Sectional Area mm ²	Shape mm	Approx Outside Dia mm								
60	C.C.	9.3	6.6	3.0	36	0.305	52	3,000	1,610	200
200	C.C.	17.0			45	0.0915	52	2,000	3,630	200
325	C.C.	21.7			51	0.0568	52	2,000	5,320	200
600	C.C.	29.5			61	0.0308	52	1,500	9,430	200

※CC:원형압축

■ 22.9kV-y TR CNCE-W

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx Overall Dia mm	Conductor Resistance at 20℃ Ω/km	AC Test Voltage KV/5min	Insulation Resistance at 20℃ MΩ·km	Approx Cable weight kg/km	Standard Reel Length m
Nominal Cross-Sectional Area mm ²	Shape mm	Approx Outside Dia mm								
60	C.C.	9.3	6.8	3.0	32	0.305	52	3,000	1,470	200
200	C.C.	17.0			42	0.0915	52	2,000	3,480	200
325	C.C.	21.7			49	0.0568	52	2,000	5,380	200
600	C.C.	29.5			59	0.0308	52	1,500	9,270	200

※CC:원형 압축