



Kyung Shin
IEC Wire & Cable

Better **Technology** for Better **Life**



세계 최고 수준의 케이블 관련 시스템을 생산하는 경신전선의 세계로 귀하를 초대합니다



경신전선은 1974년 9월 설립하여 2007년 현재 국내 최대의 자동차용 전선 제조 및 판매업체로 매년 지속적인 성장을 거듭하고 있습니다. 2000년 국내 최대의 자동차용 WIRING HARNESS 업체인 경신공업주에서 법인 분리 하였으며, 꾸준한 설비의 투자로 생산능력을 증가시키고 있고, 최고의 품질로 고객과 함께하고 있습니다. 아울러 산업용 특수케이블, 전자기기용 UL 특수전선 등을 개발하여 사업의 다각화를 추구하고 있습니다. 또한 중국, 대만, 인도 및 동남아시아 지역의 수출확장과 중국 청도 현지 공장 가동을 통하여 글로벌 경영의 시대를 열어가고 있습니다. 경신전선은 앞으로도 미래지향적인 첨단산업 분야에 적극 참여하여 세계일류 기업으로 성장해 나아갈 것입니다.

System Assurance 인증 현황 _ ISO 9001 / TS 16949 / ISO14001 / SONY GreenPartner





Company History

- 1974. 09. 경신공업주식회사 설립
- 1974. 10. 현대자동차(주)에 자동차 부품 납품 개시
(PONY자동차. WIRING HARNESS)
- 1978. 07. 자동차 부품 전문공장 지정(상공부),
QC도입에 의한 품질보증 체계 확립
- 1979. 03. 전기용품제조업 허가 취득(합성수지 절연전선 및
고무 절연전선류 생산 개시)
- 1984. 03. 석탑 산업 훈장 수상
- 1985. 09. 품질관리 1등급 취득(공업진흥원)
- 1987. 11. 1,000만불 수출탑 수상
- 1991. 12. 최우수 품질관리상 수상("0"PPM, ISUZU)
- 1992. 11. 전국 품질관리 분임조 경진대회 대통령상 수상
- 1995. 12. ISO 9002 인증 취득(전선 공장)
- 1997. 01. Junction Block기술 계약(미국 Packard사)
- 1997. 07. ISO 9001 인증 취득(하네스공장 전체)
- 1997. 10. 해외 합작사 설립(인도 Motherson Sumi System사)
- 1998. 08. 품질 100PPM 대통령상 수상
- 1999. 06. QS9000 인증 취득(강동 공장)
- 2000. 01. 기업 분리(WIRE & CABLE 부문인아산공장을
분할하여 (주)경신전선 설립)
- 2000. 03. 화성 공장 설립
- 2001. 07. 은탑산업훈장 수상
- 2001. 07. QS9000 인증 취득(전 사업 장)
- 2002. 07. 중국 청도 경신전자유한공사 설립
- 2003. 09. ISO 14001 인증취득
- 2003. 11. 일본 SONY 그린 파트너 등록
- 2003. 12. ISO/TS 16949 인증 취득
- 2004. 07. 중국 청도 경신 신재료 유한공사 설립
- 2006. 06. 엘리베이터케이블 Kite mark 인증 획득(인증기관:BSI)
- 2007. 05. (주)경신전선 R & D Center 설립

IEC Wire & Cable



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0.6/1kV VCT	PVC insulated and sheathed cable of rated voltage of 0.6/1kV 20-21 PVC 절연 및 쉬이즈 케이블 (정격 0.6/1kV)
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0.6/1kV PNCT-F	Rubber insulated and sheathed flat cable of rated voltage of 0.6/1kV 24 고무절연 및 쉬이즈 평형 케이블 (정격 0.6/1kV)

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60245 KS IEC 81	Natural rubber insulated cable for welding 26 용접용 천연고무 절연 케이블
60245 KS IEC 82	Natural and EP rubber insulated cable for welding 27 용접용 천연고무 및 EP 고무 절연 케이블

Rolling stock cable (철도차량용 케이블)

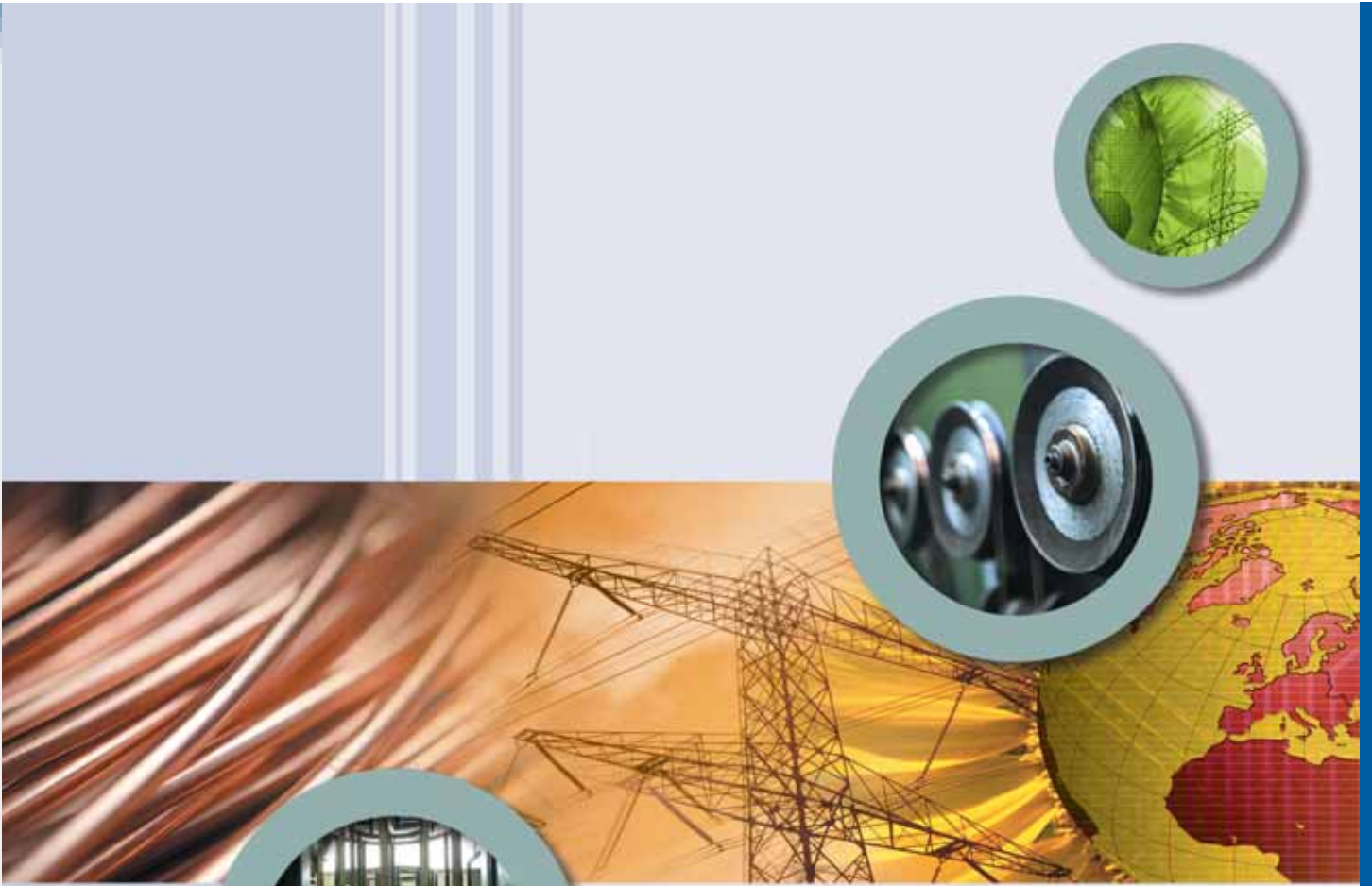
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1500V WL2	FR cross linked PE insulated cable of rated voltage 1500V 30 난연 가교 PE 절연 케이블 (정격 1500V)

Control cable (제어용 케이블)

0.6/1kV CVV	PVC insulated and sheathed control cable of rated voltage of 0.6/1kV 32-33 PVC 절연 및 쉬이즈 콘트롤 케이블 (정격 0.6/1kV)
0.6/1kV CVV-SB	PVC insulated and sheathed shield control cable of rated voltage of 0.6/1kV 34-35 PVC 절연 및 쉬이즈 차폐 콘트롤 케이블 (정격 0.6/1kV)

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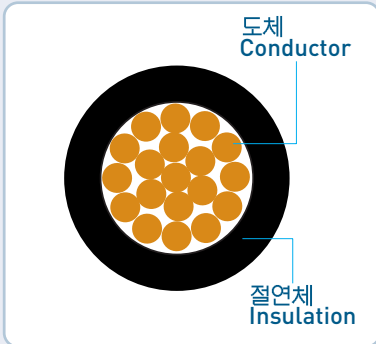
PVC cord

PVC코드

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PVC Cord

PVC코드



Marking

ⓂKS C IEC 60227-3 60227 KS IEC 06
Cross-sec. SQMM KYUNGSHIN
제조년

60227 KS IEC 06

Single core non sheathed cable with flexible conductor (rating 70 °C)
쉬어즈없는단심가요코드 (정격 70 °C)

Rated voltage (정격전압) : 300/500V

Maximum conductor temperature in normal use (도체 최고허용온도) : 70 °C

Applicable Standard (적용규격) : KS C IEC 60227 (KS C 3304)

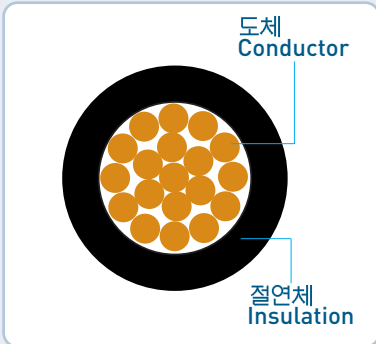
Application (적용) :

Widely used in electrical home apparatus under 300/500V for its flexibility, insulation easy coloring and beautiful external appearance

300/500V이하 가정용 기기에 널리 사용되며, 절연색상및 외관이 미려함

Composition (구성)

공칭단면적 Nominal cross-sectional area of conductor (mm ²)	절연체 두께 기준값 Thickness of insulation Specified value (mm)	평균 완성외경 Mean overall diameter		최소절연저항 Minimum insulation resistance (70°C) (MΩ · km)
		하한 Lower limit (mm)	상한 Upper limit (mm)	
0.5	0.6	2.1	2.5	0.013
0.75	0.6	2.2	2.7	0.011
1	0.6	2.4	2.8	0.010



Marking

ⓄKS C IEC 60227-3 60227 KS IEC 08
 Cross-sec. SQMM 90°C KYUNGSHIN
 제조년

60227 KS IEC 08

Single core non sheathed cable with flexible conductor (rating 90 °C)
 쉬이즈없는단심가요코드 (정격90°C)

Rated voltage (정격 전압) : 300/500V

Maximum conductor temperature in normal use (도체최고허용온도) : 90 °C

Applicable Standard (적용규격) : KS C IEC 60227 (KS C 3304)

Application (적용) :

Widely used in electrical home apparatus under 300/500V for its flexibility, insulation easy coloring and beautiful external appearance
 300/500V 이하 가정용 기기에 널리 사용되며, 절연색상 및 외관이 미려함

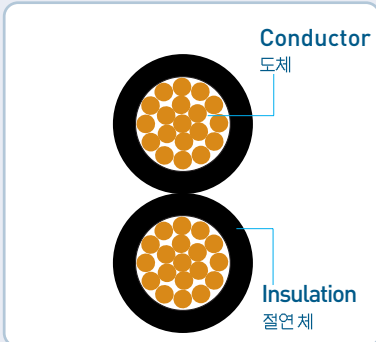
Composition (구성)

공칭단면적 Nominal cross-sectional area of conductor (mm ²)	절연체 두께 기준값 Thickness of insulation Specified value (mm)	평균 완성외경 Mean overall diameter		최소절연저항 Minimum insulation resistance (90°C) (MΩ · km)
		하한 Lower limit (mm)	상한 Upper limit (mm)	
0.5	0.6	2.1	2.5	0.013
0.75	0.6	2.2	2.7	0.012
1	0.6	2.4	3.8	0.010
1.5	0.7	2.8	3.4	0.009
2	0.8	3.4	4.1	0.009

- PVC Cord
- PVC Insulated cable - non sheathed cable
- Movable cable
- Welding Cable
- Rolling stock cable
- Control cable
- Technical data

PVC Cord

PVC코드



Marking

ⓂKS C IEC 60227-5 60227 KS IEC 42
Cross-sec. SQMM KYUNGSHIN
제조년

60227 KS IEC 42

Flat non sheathed cable with flexible conductor (rating 70 °C)
쉬이즈없는평형가요코드 (정격70°C)

Rated voltage (정격전압) : 300/300V

Maximum conductor temperature in normal use (도체 최고허용온도) : 70 °C

Applicable Standard (적용규격) : KS C IEC 60227 (KS C 3304)

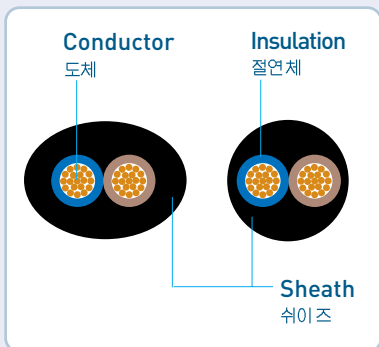
Application (적용) :

Widely used in electrical home apparatus under 300/300V for its flexibility, insulation easy coloring and beautiful external appearance

300/300V 이하 가정용 기기에 널리 사용되며, 절연색상 및 외관이 미려함

Composition (구성)

공칭 단면적 Nominal cross-sectional area of conductor (mm ²)	절연체 두께 기준값 Thickness of insulation Specified value (mm)	평균 완성외경 Mean overall diameter		최소절연저항 Minimum insulation resistance (70°C) (MΩ · km)
		하한 Lower limit (mm)	상한 Upper limit (mm)	
0.5	0.8	2.4 x 4.9	3.0 x 5.9	0.016
0.75	0.8	2.6 x 5.2	3.1 x 6.3	0.014



Marking

☞KS C IEC 60227-5 60227 KS IEC 52
 Cross-sec. SQMM KYUNGSHIN
 제조년

60227 KS IEC 52

Light PVC sheathed cord (rating 70 °C)
 경량화PVC슈이즈코드 (정격70°C)

Rated voltage (정격전압) : 300/300V

Maximum conductor temperature in normal use (도체최고허용온도) : 70 °C

Applicable Standard (적용규격) : KS C IEC 60227 (KS C 3304)

Application (적용) :

Widely used in electrical home apparatus under 300/300V for its flexibility, insulation easy coloring and beautiful external appearance
 300/300V이하 가정용 기기에 널리 사용되며, 절연색상및 외관이 미려함

Composition (구성)

선심수 x 공칭단면적 Number and Nominal cross-sectional area of conductor (Cores x mm ²)	절연체 두께 기준값 Thickness of insulation Specified value (mm)	슈이즈 두께 기준값 Thickness of Sheath Specified value (mm)	평균 완성외경 Mean overall diameter		최소절연저항 Minimum insulation resistance (70°C) (MΩ · km)
			하한 Lower limit (mm)	상한 Upper limit (mm)	
2 x 0.5	0.5	0.6	4.6 or 3.0 x 4.9	5.9 or 3.7 x 5.9	0.012
2 x 0.75	0.5	0.6	4.9 or 3.2 x 5.2	6.3 or 3.8 x 6.3	0.010
3 x 0.5	0.5	0.6	4.9	6.3	0.012
3 x 0.75	0.5	0.6	5.2	6.7	0.010

PVC Cord

PVC Insulated cable - non sheathed cable

Movable cable

Welding Cable

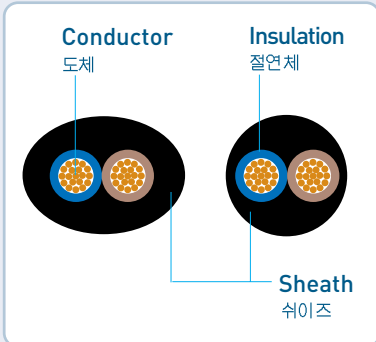
Rolling stock cable

Control cable

Technical data

PVC Cord

PVC코드



Marking

☞KS C IEC 60227-5 60227 KS IEC 53
Cross-sec. SQMM KYUNGSHIN
제조년

60227 KS IEC 53

Ordinary PVC sheathed cord (rating 70 °C)
일반PVC슈이즈코드 (정격70°C)

Rated voltage (정격전압) : 300/500V

Maximum conductor temperature in normal use (도체 최고허용온도) : 70 °C

Applicable Standard (적용규격) : KS C IEC 60227 (KS C 3304)

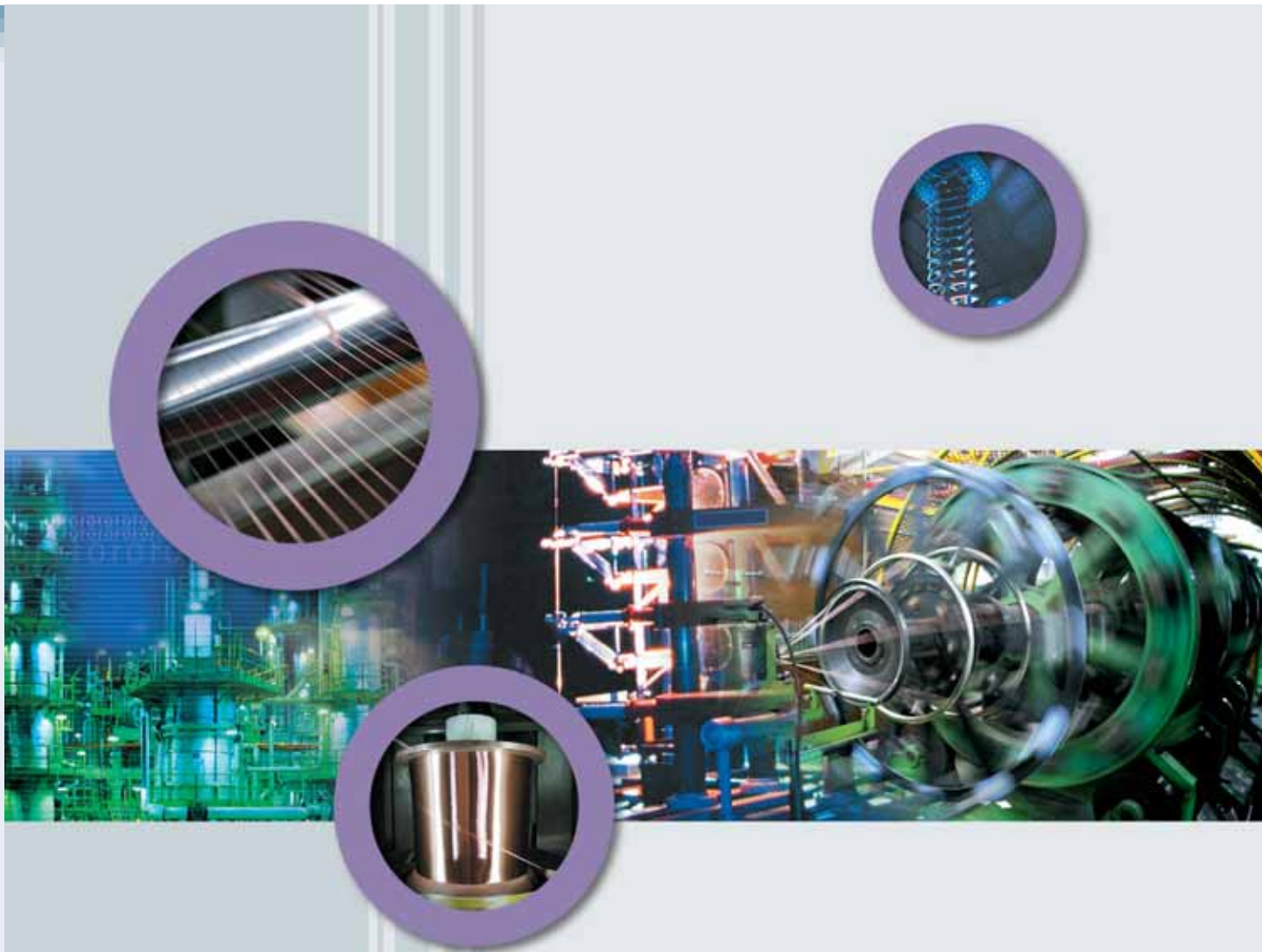
Application (적용) :

Widely used in electrical home apparatus under 300/500V for its flexibility, Insulation easy coloring and beautiful external appearance

300/500V 이하 가정용 기기에 널리 사용되며, 절연색상 및 외관이 미려함

Composition (구성)

선심수 x 공칭단면적 Number and Nominal cross-sectional area of conductor (Cores x mm ²)	절연체 두께 기준값 Thickness of insulation Specified value (mm)	슈이즈두께 기준값 Thickness of Sheath Specified value (mm)	평균 완성외경 Mean overall diameter		최소절연저항 Minimum insulation resistance (70°C) (MΩ · km)
			하한 Lower limit (mm)	상한 Upper limit (mm)	
2 x 0.75	0.6	0.8	5.7 or 3.7 x 6.0	7.2 or 4.5 x 7.2	0.011
2 x 1	0.6	0.8	5.9	7.5	0.010
2 x 1.5	0.7	0.8	6.8	8.6	0.010
2 x 2.5	0.8	1.0	8.4	10.6	0.009
3 x 0.75	0.6	0.8	6.0	7.6	0.011
3 x 1	0.6	0.8	6.3	8.0	0.010
3 x 1.5	0.7	0.9	7.4	9.4	0.010
3 x 2.5	0.8	1.1	9.2	11.4	0.009
4 x 0.75	0.6	0.8	6.6	8.3	0.011
4 x 1	0.6	0.9	7.1	9.0	0.010
4 x 1.5	0.7	1.0	8.4	10.5	0.010
4 x 2.5	0.8	1.1	10.1	12.5	0.009
5 x 0.75	0.6	0.9	7.1	9.3	0.011
5 x 1	0.6	0.9	7.8	9.8	0.010
5 x 1.5	0.7	1.1	9.3	11.6	0.010
5 x 2.5	0.8	1.2	11.2	13.9	0.009



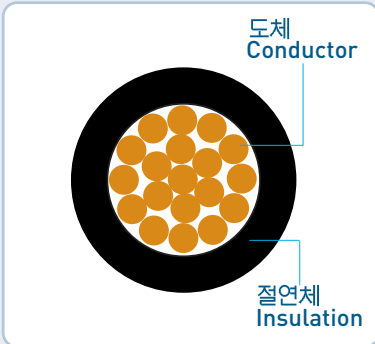
PVC Insulated Cable -non sheathed cable

PVC 절연케이블-스이즈없는 케이블

60227 KS IEC 01	12
Single core non sheathed cable with rigid conductor (rating 70 °C) 스이즈 없는 단심 비가요 케이블 (정격 70 °C)	
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Single core non sheathed cable with flexible conductor (rating 70 °C) 스이즈 없는 단심 가요 케이블 (정격 70 °C)	
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Single core non sheathed cable with rigid conductor (rating 90 °C) 스이즈 없는 단심 비가요 케이블 (정격 90 °C)	
450/750V HKIV	15
Single core non sheathed cable with flexible conductor (rating 90 °C) 스이즈 없는 단심 가요 케이블 (정격 90 °C)	
450/750V OW	16
Outdoor weather proof polyvinyl chloride insulated wire (rating 70 °C) 옥외용 비닐 절연 케이블 (정격 70 °C)	

PVC Insulated Cable-non sheathed cable

PVC절연케이블-스이즈없는케이블



60227 KS IEC 01

Single core non sheathed cable with rigid conductor (rating 70 °C)
스이즈없는단심비가요케이블 (정격70°C)

Rated voltage (정격전압) : 450/750V

Maximum conductor temperature in normal use (도체 최고허용온도) : 70 °C

Applicable Standard (적용규격) : KS C IEC 60227 (KS C 3302)

Application (적용) :

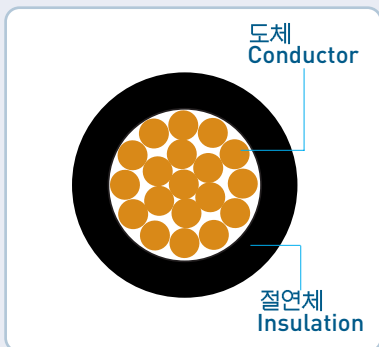
It is chiefly used for indoor distribution line under 450/750V grade and highly proof and safe use over a long period is assured

450/750V이하의 옥내배선에 사용되며, 장기간의 사용에 대하여 적합 함



Composition (구성)

공칭단면적 Nominal cross-sectional area of conductor (mm ²)	도체등급 Class of conductor IEC 60228	절연체두께기준값 Thickness of insulation Specified value (mm)	평균 완성외경 Mean overall diameter		최소절연저항 Minimum insulation resistance (70°C) (MΩ · km)
			하한 Lower limit (mm)	상한 Upper limit (mm)	
1.5	1	0.7	2.6	3.2	0.011
1.5	2	0.7	2.7	3.3	0.010
2.5	1	0.8	3.2	3.9	0.010
2.5	2	0.8	3.3	4.0	0.009
4	1	0.8	3.6	4.4	0.0085
4	2	0.8	3.8	4.6	0.0077
6	1	0.8	4.1	5.0	0.0070
6	2	0.8	4.3	5.2	0.0065
10	1	1.0	5.3	6.4	0.0070
10	2	1.0	5.6	6.7	0.0065
16	2	1.0	6.4	7.8	0.0050
25	2	1.2	8.1	9.7	0.0050
35	2	1.2	9.0	10.9	0.0043
50	2	1.4	10.6	12.8	0.0043
70	2	1.4	12.1	14.6	0.0035
95	2	1.6	14.1	17.1	0.0035
120	2	1.6	15.6	18.8	0.0032
150	2	1.8	17.3	20.9	0.0032
185	2	2.0	19.3	23.3	0.0032
240	2	2.2	22.0	26.6	0.0032
300	2	2.4	24.5	29.6	0.0030
400	2	2.6	27.5	33.2	0.0028



Marking

☉KS C IEC 60227-3 60227 KS IEC 02
 Cross-sec. SQMM KYUNGSHIN
 제조년

60227 KS IEC 02

Single core non sheathed cable with flexible conductor (rating 70 °C)
 쉬이즈없는단심가요케이블 (정격 70°C)

Rated voltage (정격 전압) : 450/750V

Maximum conductor temperature in normal use (도체최고허용온도) : 70 °C

Applicable Standard (적용규격) : KS C IEC 60227 (KS C 3325)

Application (적용) :

It is chiefly used for wiring of electrical apparatus under 450/750V grade and is flexible
 450/750V이하의 전기기기배선에사용하며유연함

Composition (구성)

공칭단면적 Nominal cross-sectional area of conductor (mm ²)	절연체 두께 기준값 Thickness of insulation Specified value (mm)	평균 완성외경 Mean overall diameter		최소절연저항 Minimum insulation resistance (70°C) (MΩ · km)
		하한 Lower limit (mm)	상한 Upper limit (mm)	
1.5	0.7	2.8	3.4	0.010
2.5	0.8	3.4	4.1	0.009
4	0.8	3.9	4.8	0.007
6	0.8	4.4	5.3	0.006
10	1.0	5.7	6.8	0.0056
16	1.0	6.7	8.1	0.0046
25	1.2	8.4	10.2	0.0044
35	1.2	9.7	11.7	0.0038
50	1.4	11.5	13.9	0.0037
70	1.4	13.2	16.0	0.0002
95	1.6	15.1	18.2	0.0032
120	1.6	16.7	20.2	0.0029
150	1.8	18.6	22.5	0.0029
185	2.0	20.6	24.9	0.0029
240	2.2	23.5	28.4	0.0028

PVC Cord

PVC Insulated cable - non sheathed cable

Movable cable

Welding Cable

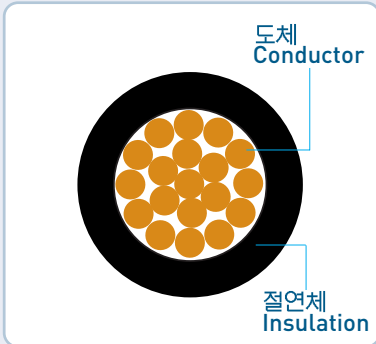
Rolling stock cable

Control cable

Technical data

PVC Insulated Cable-non sheathed cable

PVC절연케이블-쉬이즈없는케이블



450/750V HIV

Single core non sheathed cable with rigid conductor (rating 90 °C)
쉬이즈없는단심비가요케이블 (정격90°C)

Rated voltage (정격전압) : 450/750V

Maximum conductor temperature in normal use (도체 최고허용온도) : 90 °C

Applicable Standard (적용규격) : KS C 3328

Application (적용) :

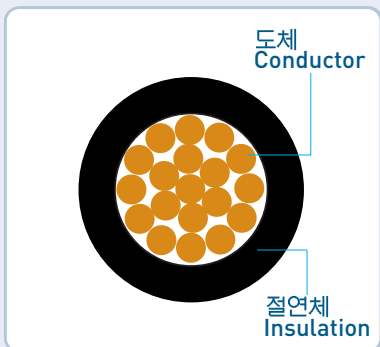
It is mainly in wiring of electric apparatus and equipment under 450/750V grade and insulated with compound mainly composed of PVC resin including heat-resistant plasticizer

주로 450/750V 이하의 전기기기 배선용으로 사용하며 내열 PVC로 절연피복됨



Composition (구성)

공칭단면적 Nominal cross-sectional area of conductor (mm ²)	도체등급 Class of conductor IEC 60228	절연체 두께 Thickness of insulation Specified value (mm)	평균 완성외경 Mean overall diameter		최소절연저항 Minimum insulation resistance (90°C) (MΩ · km)
			하한 Lower limit (mm)	상한 Upper limit (mm)	
1.5	1	0.7	2.6	3.2	0.011
1.5	2	0.7	2.7	3.3	0.010
2.5	1	0.8	3.2	3.9	0.010
2.5	2	0.8	3.3	4.0	0.009
4	1	0.8	3.6	4.4	0.0085
4	2	0.8	3.8	4.6	0.0077
6	1	0.8	4.1	5.0	0.0070
6	2	0.8	4.3	5.2	0.0065
10	1	1.0	5.3	6.4	0.0070
10	2	1.0	5.6	6.7	0.0065
16	2	1.0	6.4	7.8	0.0050
25	2	1.2	8.1	9.7	0.0050
35	2	1.2	9.0	10.9	0.0043
50	2	1.4	10.6	12.8	0.0043
70	2	1.4	12.1	14.6	0.0035
95	2	1.6	14.1	17.1	0.0035
120	2	1.6	15.6	18.8	0.0032
150	2	1.8	17.3	20.9	0.0032
185	2	2.0	19.3	23.3	0.0032
240	2	2.2	22.0	26.6	0.0032
300	2	2.4	24.5	29.6	0.0030
400	2	2.6	27.5	33.2	0.0028



Marking

450/750V HKIV Cross-sec. SQMM
KYUNGSHIN 제조년

450/750V HKIV

Single core non sheathed cable with flexible conductor (rating 90 °C)
쉬이즈없는단심가요케이블 (정격90°C)

Rated voltage (정격 전압) : 450/750V

Maximum conductor temperature in normal use (도체최고허용온도) : 90 °C

Applicable Standard (적용규격) : KS C IEC 60227

Application (적용) :

It is mainly in wiring of electric apparatus and equipment under 450/750V grade and insulated with compound mainly composed of PVC resin including heat-resistant plasticizer

주로 450/750V 이하의 전기기기 배선용으로 사용하며, 내열 PVC로 절연피복 됨

Composition (구성)

공칭단면적 Nominal cross-sectional area of conductor (mm ²)	절연체 두께 기준값 Thickness of insulation Specified value (mm)	평균 완성외경 Mean overall diameter		최소절연저항 Minimum insulation resistance (90°C) (MΩ · km)
		하한 Lower limit (mm)	상한 Upper limit (mm)	
1.5	0.7	2.8	3.4	0.010
2.5	0.8	3.4	4.1	0.009
4	0.8	3.9	4.8	0.007
6	0.8	4.4	5.3	0.006
10	1.0	5.7	6.8	0.0056
16	1.0	6.7	8.1	0.0046
25	1.2	8.4	10.2	0.0044
35	1.2	9.7	11.7	0.0038
50	1.4	11.5	13.9	0.0037
70	1.4	13.2	16.0	0.0002
95	1.6	15.1	18.2	0.0032
120	1.6	16.7	20.2	0.0029
150	1.8	18.6	22.5	0.0029
185	2.0	20.6	24.9	0.0029
240	2.2	23.5	28.4	0.0028

PVC Cord

PVC Insulated cable - non sheathed cable

Movable cable

Welding Cable

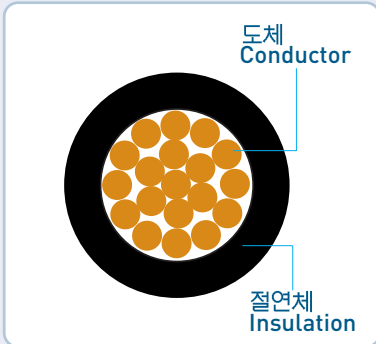
Rolling stock cable

Control cable

Technical data

PVC Insulated Cable-non sheathed cable

PVC절연케이블-쉬이즈없는케이블



450/750V OW

Outdoor weather proof polyvinyl chloride insulated wires (rating 70 °C)
 옥외용비닐절연케이블 (정격 70°C)

Rated voltage (정격전압) : 450/750V

Maximum conductor temperature in normal use (도체 최고허용온도) : 70 °C

Applicable Standard (적용규격) : KS C 3313

Application (적용) :

It is applied in weather protective environment and used for power distributed cable
 옥외용 전력배선에 적용됨



450/750V OW

☎KS C 3313 450/750V OW Cross-sec.
 SQMM KYUNGSHIN 제조년

Composition (구성)

공칭 단면적 Nominal cross-sectional area of conductor (mm ²)	도체 Conductor		절연체 두께 Thickness of insulation (mm)	완성외경 Overall diameter Approx. (mm)	최대도체저항 Maximum Conductor resistance (20°C) (Ω /km)	시험전압 Test voltage (V)	도체인장강도 Conductor tensile strength (N)
	구성 Construction (No./ mm)	외경 Out diameter (mm)					
14	7/1.6	4.8	1.0	6.8	1.35	2500	5620
22	7/2.0	6.0	1.2	8.4	0.849	2500	8710
38	7/2.6	7.8	1.4	11	0.502	2500	14500
60	19/2.0	10.0	1.4	13	0.313	2500	23600
100	19/2.6	13.0	1.5	16	0.185	2500	39300

도체경 Conductor diameter (mm)	절연체 두께 Thickness of insulation	완성외경 Overall diameter Approx. (mm)	최대도체 저항 Maximum Conductor resistance (20°C) (Ω /km)	시험전압 Test voltage (V)	도체인장강도 Conductor tensile strength (N)
2.0	0.4	2.8	5.83	2500	1310
2.6	0.5	3.6	3.45	2500	2180
3.2	0.6	4.4	2.28	2500	3260
4.0	1.0	6.0	1.46	2500	4890
5.0	1.2	7.4	0.932	2500	7450



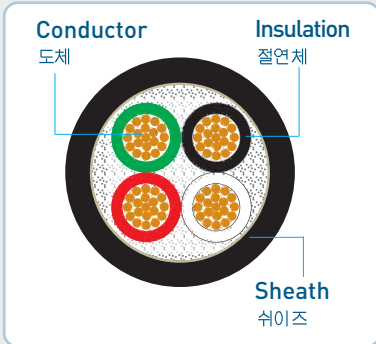
Movable Cable

이동용케이블

0.6/1kV KEVV-L	18
PVC insulated and sheathed cable for general purposes	
PVC 절연 및 쉬이즈 케이블	
0.6/1kV KEVV-H	19
PVC insulated and sheathed cable with reinforce wire	
PVC 절연 및 쉬이즈 케이블 (보강선 포함)	
0.6/1kV VCT	20-21
PVC insulated and sheathed cable of rated voltage of 0.6/1kV	
PVC 절연 및 쉬이즈 케이블 (정격 0.6/1kV)	
0.6/1kV PNCT	22-23
Rubber insulated and sheathed cable of rated voltage of 0.6/1kV	
고무절연및 쉬이즈 케이블 (정격 0.6/1kV)	
0.6/1kV PNCT-F	24
Rubber insulated and sheathed flat cable of rated voltage of 0.6/1kV	
고무절연및 쉬이즈 평행 케이블 (정격 0.6/1kV)	

Movable Cable

이동용케이블



Marking

0.6/1kV KEVV-L TYPE HOIST CABLE
Cross-sec. SQMM KYUNGSHIN
제조년

0.6/1kV KEVV-L

PVC insulated and sheathed cable for general purposes
PVC절연및쉬이즈 케이블

Rated voltage (정격전압): 0.6/1kV

Maximum conductor temperature in normal use (도체 최고허용온도): 70 °C

Applicable Standard (적용규격): KS C IEC 60502

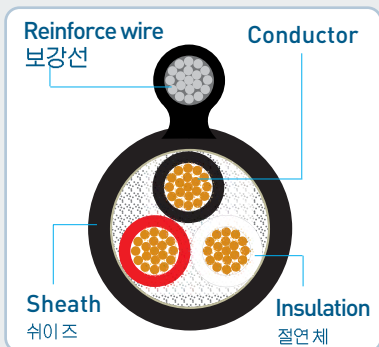
Application (적용):

It is chiefly used for moving chain block

이동용체인블록에사용됨

Composition (구성)

선심수x공칭단면적 Number and Nominal cross- sectional area of conductor (cores x mm ²)	도체 Conductor		절연체 두께 Insulation thickness (mm)	쉬이즈 두께 Sheath thickness (mm)	안상외경 Overall diameter Approx. (mm)	도체저항 Conductor resistance (20°C) (Ω /km)	시험전압 Test voltage (V/5min.)
	도체최대 소선경 Wire diameter Max. (mm)	외경 Outer diameter (mm)					
2 x 1	0.21	1.3	0.8	1.8	10.0	19.5	3500
2 x 1.5	0.26	1.6	0.8	1.8	10.5	13.3	
3 x 1	0.21	1.3	0.8	1.8	10.5	19.5	
3 x 1.5	0.26	1.6	0.8	1.8	11.0	13.3	
4 x 1	0.21	1.3	0.8	1.8	11.0	19.5	
4 x 1.5	0.26	1.6	0.8	1.8	12.0	13.3	



0.6/1kV KEVV-H

PVC insulated and sheathed cable with reinforce wire
 PVC절연 및 쉬이즈케이블 (보강선포함)

Rated voltage (정격 전압) : 0.6/1kV

Maximum conductor temperature in normal use (도체최고허용온도) : 70 °C

Applicable Standard (적용규격) : KS C IEC 60502

Application (적용) :

It is chiefly used for moving chain block
 이동용체인블록에사용됨



Marking

0.6/1kV KEVV-H TYPE HOIST CABLE
 Cross-sec. SQMM KYUNGSHIN
 제조년

Composition (구성)

선심수x공칭단면적 Number and Nominal cross- sectional area of conductor (cores x mm ²)	도체 Conductor		절연체 두께 Insulation thickness (mm)	쉬이즈 두께 Sheath thickness (mm)	완성외경 Overall diameter Approx. (mm)	도체저항 Conductor resistance (20°C) (Ω / km)	시험전압 Test voltage (V/5min.)
	도체최소선경 Wire diameter Max. (mm)	외경 Outer diameter (mm)					
2 x 1	0.21	1.3	0.8	1.8	10.0	19.5	3500
2 x 1.5	0.26	1.6	0.8	1.8	10.5	13.3	
3 x 1	0.21	1.3	0.8	1.8	10.5	19.5	
3 x 1.5	0.26	1.6	0.8	1.8	11.0	13.3	
4 x 1	0.21	1.3	0.8	1.8	11.0	19.5	
4 x 1.5	0.26	1.6	0.8	1.8	12.0	13.3	

PVC Cord

PVC Insulated cable
- non sheathed cable

Movable cable

Welding Cable

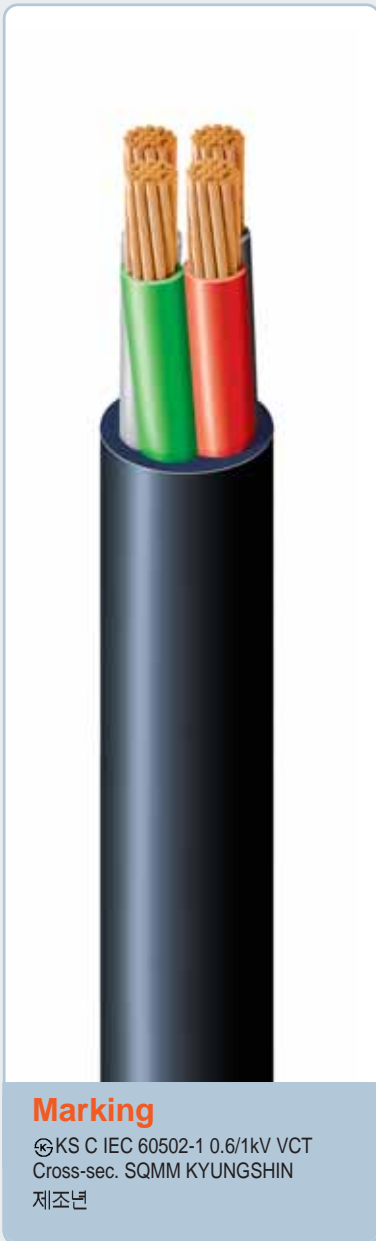
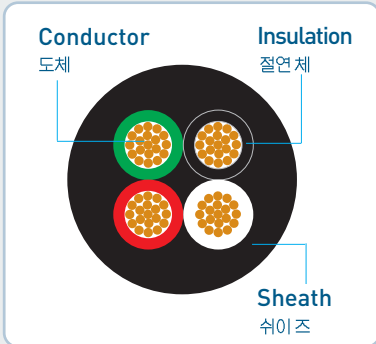
Rolling stock cable

Control cable

Technical data

Movable Cable

이동용케이블



0.6/1kV VCT

PVC insulated and sheathed cable of rated voltage of 0.6/1kV
 PVC절연및슈이즈케이블 (정격06/1kV)

Rated voltage (정격전압) : 0.6/1kV

Maximum conductor temperature in normal use (도체 최고허용온도) : 70 °C

Applicable Standard (적용규격) : KS C IEC 60502

Application (적용) :

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

산업현장 광산 또는 농장 등에서 0.6/1kV 이하의 이동용 전기기기 예전원공급용 배전선으로 사용됨

Composition (구성)

One core (단심)			절연체두께 Insulation thickness (mm)	슈이즈두께 Sheath thickness (mm)	완성외경 Overall diameter Approx. (mm)	도체저항 Conductor resistance (20°C) (Ω/km)	시험전압 Test voltage (V/5min.)
공칭단면적 Nominal cross- sectional area of conductor (mm²)	최대소선경 Wire diameter Max. (mm)	외경 Outer diameter (mm)					
1	0.21	1.3	0.8	1.4	6.0	19.5	3500
1.5		1.6			6.5	13.3	
2.5		2.1			7.0	7.98	
4	0.31	2.6	1.0		8.0	4.95	
6		3.6			9.0	3.30	
10		4.8			10.0	1.91	
16	0.41	6.0	1.2	11.0	1.21		
25		7.4		13.0	0.780		
35		8.7		14.5	0.554		
50	0.51	10.4	1.4	16.5	0.386		
70		12.5		18.5	0.272		
95		14.5		21.5	0.206		
120		16.2	1.5	23.0	0.161		
150		18.2	1.6	26.0	0.129		
185		20.2	1.7	28.0	0.106		
240	23.3	1.8	32.0	0.0801			
300	26.0	1.9	35.5	0.0641			

Composition (구성)

Two core (2심)							
도체 Conductor			절연체 두께 Insulation thickness (mm)	스이즈 두께 Sheath thickness (mm)	완성외경 Overall diameter Approx. (mm)	도체저항 Conductor resistance (20°C) (Ω/km)	시험전압 Test voltage (V/5min.)
공칭 단면적 Nominal cross- sectional area of conductor (mm ²)	최대 소선경 Wire diameter Max. (mm)	외경 Outer diameter (mm)					
1	0.21	1.3	0.8		10.0	19.5	3500
1.5	0.26	1.6			10.5	13.3	
2.5		2.1			11.5	7.98	
4	0.31	2.6	1.0	1.8	13.5	4.95	
6		3.6			15.5	3.30	
10	4.8	17.5			1.91		
16	0.41	6.0	1.2		20.0	1.21	
25		7.4			23.5	0.780	
35		8.7	26.5	0.554			
50	0.51	10.4	1.4	1.9	30.5	0.386	
70		12.5		2.1	35.5	0.272	
95		14.5	2.2	40.5	0.206		
Three core (3심)							
1	0.21	1.3	0.8		10.5	19.5	3500
1.5	0.26	1.6			11.0	13.3	
2.5		2.1			12.0	7.98	
4	0.31	2.6	1.0	1.8	14.0	4.95	
6		3.6			16.0	3.30	
10	4.8	19.0			1.91		
16	0.41	6.0	1.2		21.5	1.21	
25		7.4			25.0	0.780	
35		8.7	28.0	0.554			
50	0.51	10.4	1.4	2.0	33.0	0.386	
70		12.5		2.2	38.0	0.272	
95		14.5	2.3	43.5	0.206		
Four core (4심)							
1	0.21	1.3	0.8		10.5	19.5	3500
1.5	0.26	1.6			11.0	13.3	
2.5		2.1			12.0	7.98	
4	0.31	2.6	1.0	1.8	14.0	4.95	
6		3.6			16.0	3.30	
10	4.8	19.0			1.91		
16	0.41	6.0	1.2		21.5	1.21	
25		7.4			25.0	0.780	
35		8.7	28.0	0.554			
50	0.51	10.4	1.4	1.9	33.0	0.386	
70		12.5		2.3	38.0	0.272	
95		14.5	2.5	43.5	0.206		

PVC Cord

PVC Insulated cable
- non sheathed cable

Movable cable

Welding Cable

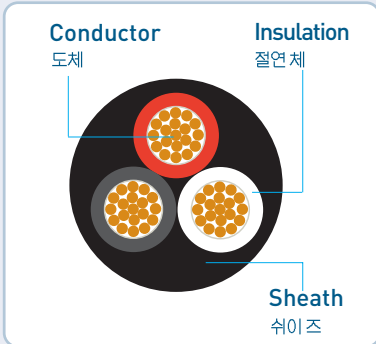
Rolling stock cable

Control cable

Technical data

Movable Cable

이동용케이블



Marking

ⓂKS C IEC 60502-1 0.6/1kV PNCT
Cross-sec. SQMM HAN MI ENG 제조년
DISTRIBUTED BY KYUNGSHIN

0.6/1kV PNCT

Rubber insulated and sheathed cable of rated voltage of 0.6/1kV
고무절연및스이즈케이블 (정격06/1kV)

Rated voltage (정격전압) : 0.6/1kV

Maximum conductor temperature in normal use (도체 최고허용온도) : 90 °C

Applicable Standard (적용규격) : KS C IEC 60502

Application (적용) :

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

산업현장 광산 또는 농장 등에서 0.6/1kV 이하의 이동용 전기기기에 전원공급용 배전선으로 사용됨

Composition (구성)

도체 Conductor			절연 두께 Insulation Thickness	단심 Onecore		2심 Two core		도체 저항 Conductor Resistance (20°C) (Ω /km)	시험 전압 Test voltage (V/5min)
공칭단면적 Nominal cross- sectional area of conductor (mm ²)	최대소선경 Wire diameter Max. (mm)	외경 Outer diameter (mm)		스이즈 두께 Sheath Thickness (mm)	완성외경 (약) Overall Diameter Approx. (mm)	스이즈 두께 Sheath Thickness (mm)	완성외경 (약) Overall Diameter Approx. (mm)		
1	0.21	1.3	1.0	-	-	1.8	11.5	20.0	3500
1.5	0.26	1.6	1.0	1.6	7.9	1.9	12.3	13.7	
2.5		2.1	1.0	1.6	8.4	1.9	13.3	8.21	
4	0.31	2.6	1.0	1.7	9.1	2.0	14.5	5.09	
6		3.6	1.0	1.7	10.2	2.1	17.0	3.39	
10	0.41	4.8	1.0	1.8	11.6	2.3	19.8	1.95	
16		6.0	1.0	1.9	12.9	2.5	22.4	1.24	
25		7.4	1.2	2.0	14.9	2.7	26.4	0.795	
35		8.7	1.2	2.1	16.3	2.9	29.2	0.565	
50		10.4	1.4	2.2	18.6	3.1	33.8	0.393	
70		0.51	12.5	1.4	2.4	20.9	3.4	38.2	
95	14.5		1.6	2.5	23.5	3.7	43.6	0.210	
120	16.2		1.6	2.6	25.4	3.9	47.4	0.164	
150	18.2		1.8	2.8	28.1	4.2	52.6	0.132	
185	20.2		2.0	3.0	30.9			0.108	
240	23.3		2.2	3.2	34.6			0.1817	
300	26.0	2.4	3.4	38.0			0.0654		
400	30.3	2.6	3.7	43.2			0.0495		



PVC Cord

PVC Insulated cable
- non sheathed cable

Movable cable

Welding Cable

Rolling stock cable

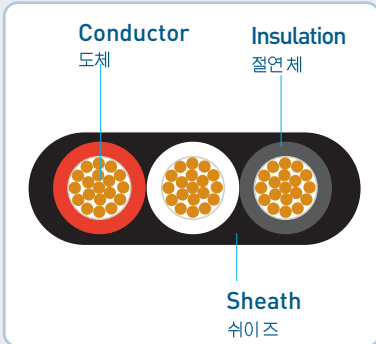
Control cable

Technical data

도체 Conductor			절연 두께 Insulation Thickness	3심 Three core		4심 Four core		5심 Five core		도체 저항 Conductor Resistance (20°C)	시험 전압 Test voltage (V/5min)
공칭단면적 Nominal cross- sectional area of conductor (mm ²)	최대소선경 Wire diameter Max. (mm)	외경 Outer diameter (mm)		수이즈 두께 Sheath Thickness (mm)	완성외경 (약) Overall Diameter Approx. (mm)	수이즈 두께 Sheath Thickness (mm)	완성외경 (약) Overall Diameter Approx. (mm)	수이즈 두께 Sheath Thickness (mm)	완성외경 (약) Overall Diameter Approx. (mm)		
1	0.21	1.3	1.0	1.9	12.2	1.9	13.1	2.0	13.8	20.0	3500
1.5	0.26	1.6	1.0	1.9	12.9	2.0	14.1	2.0	14.6	13.7	
2.5		2.1	1.0	2.0	14.2	2.0	15.3	2.1	16.1	8.21	
4	0.31	2.6	1.0	2.0	15.2	2.1	16.7	2.2	17.7	5.09	
6		3.6	1.0	2.2	18.2	2.3	19.9	2.4	21.3	3.39	
10	0.41	4.8	1.0	2.4	21.2	2.5	23.2	2.6	24.9	1.95	
16		6.0	1.0	2.5	23.7	2.7	26.3	2.8	28.3	1.24	
25		7.4	1.2	2.8	28.2	3.0	31.2	3.2	33.9	0.795	
35		8.7	1.2	3.0	31.2	3.2	34.5	3.4	37.6	0.565	
50		10.4	1.4	3.3	36.3	3.5	40.2	3.8	44.0	0.393	
70	0.51	12.5	1.4	3.5	40.8	3.8	45.4	4.1	49.8	0.277	
95		14.5	1.6	3.9	46.8	4.2	52.0	4.5	57.2	0.210	
120		16.2	1.6	4.1	50.9	4.5	56.7			0.164	
150		18.2	1.8	4.5	56.6	4.8	62.8			0.132	
185		20.2	2.0							0.108	
240		23.3	2.2							0.1817	
300		26.0	2.4							0.0654	
400		30.3	2.6							0.0495	

Movable Cable

이동용케이블



0.6/1kV PNCT-F

Rubber insulated and sheathed flat cable of rated voltage of 0.6/1kV
고무절연및스이즈평형케이블 (정격06/1kV)

Rated voltage (정격전압) : 0.6/1kV

Maximum conductor temperature in normal use (도체 최고허용온도) : 90 °C

Applicable Standard (적용규격) : KS C IEC 60502

Application (적용) :

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

산업현장 광산 또는 농장 등에서 0.6/1kV 이하의 이동용 전기기기에 전원공급용 배전선으로 사용됨

Composition (구성)

공칭단면적 Nominal cross-sectional area of conductor (mm ²)	도체 Conductor		절연 두께 Insulation Thickness (mm)	3심 Three core		4심 Four core		도체 저항 Conductor Resistance (20°C) (Ω /km)	시험 전압 Test voltage (V/5min)
	최대소선경 Wire diameter Max. (mm)	외경 Outer diameter (mm)		스이즈 두께 Sheath Thickness (mm)	완성외경 (약) Overall Diameter Approx. (mm)	스이즈 두께 Sheath Thickness (mm)	완성외경 (약) Overall Diameter Approx. (mm)		
1	0.21	1.3	1.0	1.9	8.0 x 16.5	1.9	8.0 x 23.5	20.0	3500
1.5	0.26	1.6	1.0	1.9	8.5 x 17.0	2.0	8.5 x 24.5	13.7	
2.5		2.1	1.0	2.0	9.0 x 19.0	2.1	9.5 x 27.0	8.21	
4	0.31	2.6	1.0	2.1	10.0 x 20.5	2.2	10.0 x 29.0	5.09	
6		3.6	1.0	2.2	11.5 x 24.5	2.3	11.5 x 34.0	3.39	
10	0.41	4.8	1.0	2.4	13.0 x 28.5	2.5	13.0 x 39.0	1.95	
16		6.0	1.0	2.6	14.5 x 32.0	2.7	14.5 x 44.0	1.24	
25		7.4	1.2	2.8	16.5 x 38.0	3.0	17.0 x 52.0	0.795	
35		8.7	1.2	3.0	18.0 x 42.0	3.2	18.5 x 57.0	0.565	
50	0.51	10.4	1.4	3.3	21.0 x 48.5	3.5	21.5 x 66.0	0.393	
70		12.5	1.4	3.6	23.5 x 55.0	3.8	24.0 x 74.0	0.277	
95		14.5	1.6	3.9	26.5 x 63.0	4.2	27.0 x 84.5	0.210	
120		16.2	1.6	4.2	28.5 x 68.5	4.5	29.5 x 92.0	0.164	
150		18.2	1.8	4.5	31.5 x 76.0	4.9	32.5 x 104.5	0.132	
185		20.2	2.0	4.8	34.5 x 84.0			0.108	
240	23.3	2.2	5.3	39.0 x 94.5			0.1817		
300	26.0	2.4	5.7	42.5 x 104.5			0.0654		



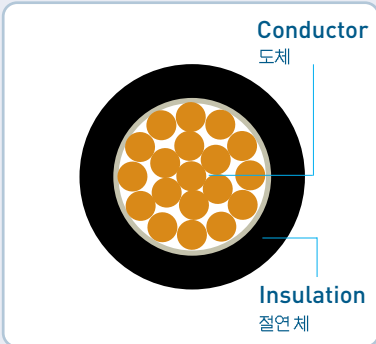
Welding Cable

용접용케이블

60245 KS IEC 81	26
Natural rubber insulated cable for welding 용접용 천연고무절연 케이블	
60245 KS IEC 82	27
Natural and EP rubber insulated cable for welding 용접용 천연고무및 EP 고무 절연 케이블	

Welding Cable

용접용 케이블



Marking

Ⓜ KS C IEC 60245-6 WELDING CABLE
60245 KS IEC 81 Cross-sec. SQMM HAN MI
ENG 제조년 DISTRIBUTED BY KYUNGSHIN

60245 KS IEC 81

Natural rubber insulated cable for welding

용접용 천연고무절연케이블

Applicable Standard (적용규격) : KS C IEC 60245

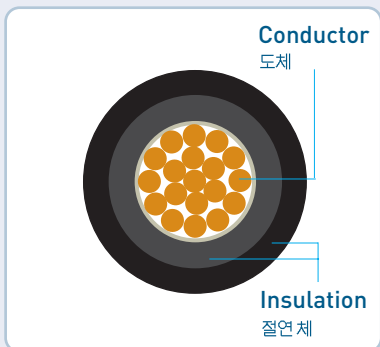
Application (적용) :

This cable is designed for use in arc welding side

용접기의용접측에서 사용 됨

Composition (구성)

공칭단면적 Nominal cross-sectional area of conductor (mm ²)	최대 소선경 Wire diameter Max. (mm)	피복두께 합계 기준값 Total thickness of covering Specified value (mm)	복합피복 쉬이즈 두께 기준값 Thickness of sheath of composite covering Specified value (mm)	평균은성외경 Mean overall diameter		도체저항 Conductor resistance (20°C)	
				하한 Lower limit (mm)	상한 Upper limit (mm)	주석도금 연동선 Tinned wires (Ω /km)	연동선 Untinned wires (Ω /km)
16	0.21	2.0	1.3	8.8	11.0	1.19	1.16
25	0.21	2.0	1.3	10.1	12.7	0.780	0.758
35	0.21	2.0	1.3	11.4	14.2	0.552	0.536
50	0.21	2.2	1.5	13.2	16.5	0.390	0.379
70	0.21	2.4	1.6	15.3	19.2	0.276	0.268
95	0.21	2.6	1.7	17.1	21.4	0.204	0.198



60245 KS IEC 82

Natural and EP rubber insulated cable for welding
 용접용 천연고무및 EP 고무 절연 케이블

Applicable Standard (적용규격) : KS C IEC 60245

Application (적용) :

This cable is designed for use in arc welding side
 용접기의 용접측에 사용됨



Composition (구성)

공칭단면적 Nominal cross-sectional area of conductor (mm ²)	최대 소선경 Wire diameter Max. (mm)	피복두께 합계 기준값 Total thickness of covering Specified value (mm)	복합피복 쉬이즈 두께 기준값 Thickness of sheath of composite covering Specified value (mm)	평균완성외경 Mean overall diameter		도체저항 Conductor resistance(20°C)	
				하한 Lower limit (mm)	상한 Upper limit (mm)	주석도금 연동선 Tinned wires (Ω/km)	연동선 Untinned wires (Ω/km)
16	0.21	2.0	1.3	8.8	11.0	1.19	1.16
25	0.21	2.0	1.3	10.1	12.7	0.780	0.758
35	0.21	2.0	1.3	11.4	14.2	0.552	0.536
50	0.21	2.2	1.5	13.2	16.5	0.390	0.379
70	0.21	2.4	1.6	15.3	19.2	0.276	0.268
95	0.21	2.6	1.7	17.1	21.4	0.204	0.198

Marking

☞KS C IEC 60245-6 WELDING CABLE
 60245 KS IEC 82 Cross-sec. SQMM HAN MI
 ENG 제조년 DISTRIBUTED BY KYUNGSHIN

PVC Cord

PVC Insulated cable
- non sheathed cable

Movable cable

Welding Cable

Rolling stock cable

Control cable

Technical data

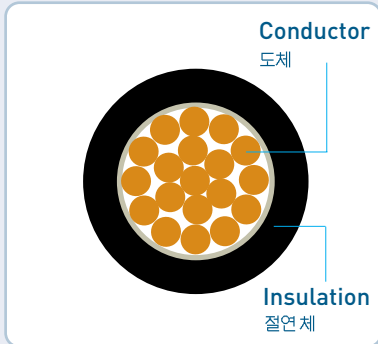


Rolling Stock Cable

철도차량용 케이블

600V WL1	29
FR cross linked PE insulated cable of rated voltage 600V	
난연 가교 PE 절연 케이블 (정격 600V)	
1500V WL2	30
FR cross linked PE insulated cable of rated voltage 1500V	
난연 가교 PE 절연 케이블 (정격 1500V)	

철도차량용케이블



Marking

600V WL1 Cross-sec. SQMM
KYUNGSHIN 제조년

600V WL1

Flame retardant cross linked PE insulated cable of rated voltage 600V
난연가교PE절연케이블 (정격600V)

Rated voltage (정격전압) : 600V

Maximum conductor temperature in normal use (도체최고허용온도) : 110 °C

Applicable Standard (적용규격) : KIS-ES-4001

Application (적용) :

This cable is generally used for connecting under 600V as power source lead wire in train etc.

철도차량등에전원 공급용으로정격600V이하접속용으로주로 사용됨

Composition (구성)

도체 Con ductor			세퍼 레이터 두께 Thickness of separator (mm)	절연 두께 Thickness of insulation (mm)	원형외경 Overall diameter		도체저항 Conductor resistance (20°C) (Ω/km)	시험전압 Test Voltage (V)	절연저항 Insulation resistance (20°C) (M Ω/km)	표면누설 저항 Surface leakage resistance (M Ω)
공칭단면적 Nominal cross- sectional area (mm²)	구성 Construction (No./mm)	외경 Outer diameter (mm)			표준 Approx. (mm)	상한 Upper Limit (mm)				
150	27/34/0.45	18.7	0.01-0.1	2.3	23.6	24.0	0.129	3000	15	60
125	19/42/0.45	16.9	0.01-0.1	2.3	21.8	22.2	0.149	3000	20	60
100	19/34/0.45	15.2	0.01-0.1	2.3	19.9	20.3	0.183	3000	20	70
80	19/27/0.45	13.5	0.01-0.1	1.8	17.2	17.6	0.230	2500	20	70
60	19/20/0.45	11.6	0.01-0.1	1.8	15.4	15.6	0.329	2500	20	80
50	19/16/0.45	10.4	0.01-0.1	1.8	14.1	14.4	0.389	2500	20	90
38	7/34/0.45	9.1	0.01-0.1	1.4	12.0	12.4	0.496	2200	20	100
30	7/27/0.45	8.1	0.01-0.1	1.4	11.0	11.4	0.661	2200	20	100
22	7/20/0.45	7.0	0.01-0.1	1.4	9.9	10.3	0.884	2200	25	100
14	88/0.45	4.9	0.01-0.1	1.1	7.2	7.6	1.32	2200	30	100
8	50/0.45	3.7	0.01-0.1	1.1	6.0	6.4	2.32	2200	35	200
5.5	35/0.45	3.1	0.01-0.1	1.1	5.4	5.8	3.31	2200	40	200
3.5	45/0.32	2.5	0.01-0.1	1.1	4.8	5.2	5.38	2200	45	200
2.0	37/0.26	1.8	0.01-0.1	1.1	4.2	4.4	9.91	2200	60	200
1.25	50/0.18	1.5	0.01-0.1	1.1	3.8	4.1	15.5	2200	70	200
0.75	30/0.18	1.2	0.01-0.1	1.1	3.5	3.8	25.8	2200	80	300
0.5	20/0.18	1.0	0.01-0.1	1.1	3.3	3.6	38.6	2200	80	300

PVC Cord

PVC Insulated cable
- non sheathed cable

Movable cable

Welding Cable

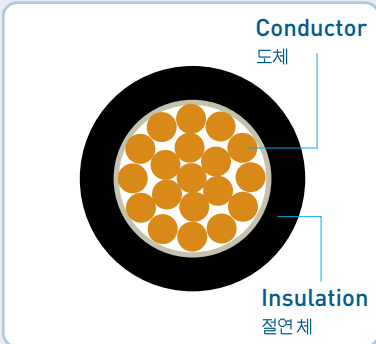
Rolling stock cable

Control cable

Technical data

Rolling Stock Cable

철도차량용케이블



Marking

1500V WL2 Cross-sec. SQMM
KYUNGSHIN 제조년

1500V WL2

Flame retardant cross linked PE insulated cable of rated voltage 1500V
난연가교PE절연케이블 (정격1500V)

Rated voltage (정격전압) : 1500V

Maximum conductor temperature in normal use (도체최고허용온도) : 110 °C

Applicable Standard (적용규격) : KIS-ES-4002

Application (적용) :

This cable is generally used for connecting under 600V as power source lead wire in train etc.

철도차량등에전원 공급용으로정격1500V이하접속용으로주로사용됨

Composition (구성)

공칭 단면적 Nominal cross- sectional area (mm ²)	도체 Conductor		세퍼 레이터 두께 Thickness of separator (mm)	절연 두께 Thickness of insulation (mm)	완성외경 Overall diameter Approx.		도체저항 Conductor resistance (20°C) (Ω/km)	시험전압 Test voltage (V)	절연저항 Insulation resistance (20°C) (MΩ.km)	표면누설 저항 Surface leakage resistance (MΩ)
	구성 Constru- ction	외경 Outer diameter (mm)			표준 Approx. Standard Approx.	상한 Upper Limit				
250	37/42/0.45	23.6	0.01-0.1	3.0	30.0	31.0	0.0760	7000	50	6000
200	37/34/0.45	21.2	0.01-0.1	3.0	28.0	28.5	0.0939	7000	50	6000
150	27/34/0.45	18.7	0.01-0.1	2.5	24.0	24.9	0.129	7000	50	6000
125	19/42/0.45	16.9	0.01-0.1	2.5	23.0	23.1	0.149	7000	50	6000
100	19/34/0.45	15.2	0.01-0.1	2.5	20.3	21.4	0.183	7000	80	6500
80	19/27/0.45	13.5	0.01-0.1	2.5	18.6	19.6	0.230	7000	80	6500
60	19/20/0.45	11.6	0.01-0.1	2.5	16.8	17.6	0.329	7000	100	7000
50	19/16/0.45	10.4	0.01-0.1	2.5	15.5	16.4	0.389	7000	100	7000
38	7/34/0.45	9.1	0.01-0.1	2.0	13.2	14.1	0.496	7000	100	7000
30	7/27/0.45	8.1	0.01-0.1	2.0	12.3	13.0	0.661	7000	100	7500
22	7/20/0.45	7.0	0.01-0.1	2.0	11.1	11.9	0.884	7000	120	8000
14	88/0.45	4.9	0.01-0.1	2.0	9.0	9.7	1.32	6500	130	8500
8	50/0.45	3.7	0.01-0.1	2.0	7.8	8.4	2.32	6500	140	9000
5.5	35/0.45	3.1	0.01-0.1	2.0	7.2	7.8	3.31	6500	150	9500
3.5	45/0.32	2.5	0.01-0.1	2.0	6.6	7.2	5.38	6500	160	10000
2.0	37/0.26	1.8	0.01-0.1	2.0	6.0	6.5	9.91	6500	180	12000
1.25	50/0.18	1.5	0.01-0.1	2.0	5.6	6.1	15.5	6500	180	12000
0.75	30/0.18	1.2	0.01-0.1	2.0	5.3	5.8	25.8	6500	180	12000
0.5	20/0.18	1.0	0.01-0.1	2.0	5.1	5.6	38.6	6500	180	12000



Control Cable

제어용케이블

0.6/1kV CVV 32-33

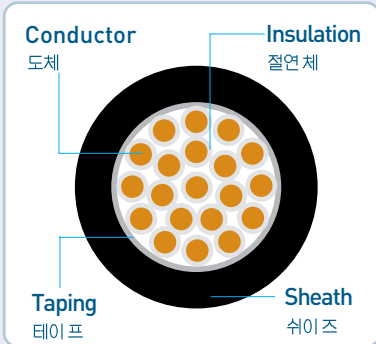
PVC insulated and sheathed control cable of rated voltage of 0.6/1kV
PVC 절연 및 쉬이스 콘트롤 케이블 (정격 0.6/1kV)

0.6/1kV CVV-SB 34-35

PVC insulated and sheathed shield control cable of rated voltage of 0.6/1kV
PVC 절연 및 쉬이스 차폐 콘트롤 케이블 (정격 0.6/1kV)

Control Cable

제어용 케이블



Marking

ⓂKS C IEC 60502-1 0.6/1kV CVV
Cross-sec. SQMM KYUNGSHIN 제조년

0.6/1kV CVV

PVC insulated and sheathed control cable of rated voltage of 0.6/1kV
PVC절연및 슈이즈콘트롤케이블 (정격06/1kV)

Rated voltage (정격전압) : 0.6/1kV

Maximum conductor temperature in normal use (도체최고허용온도) : 70 °C

Applicable Standard (적용규격) : KS C IEC 60502

Application (적용) :

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

0.6/1kV의 전원설비 및 부하설비에서 원격 제어용으로 사용되며, 기존 고무 제어용 케이블 보다 가볍고 유연하며, 또한 내화 및 마모성이 우수함

Composition (구성)

선심수 Core	도체 Conductor			절연두께 Insulation thickness (mm)	슈이즈두께 Sheath thickness (mm)	완성외경 Overall diameter Approx. (mm)	도체저항 Conductor resistance (20°C) (Ω/km)	시험전압 Test voltage (V/5min)
	공칭단면적 Nominal cross- sectional area (mm ²)	구성 Construction (No./mm)	외경 Outer diameter (mm)					
2	1.5	7/0.53	1.59	0.8	1.8	11.0	12.1	3500
	2.5	7/0.67	2.01	0.8	1.8	12.0	7.41	
	4	7/0.85	2.55	1.0	1.8	14.0	4.61	
	6	7/1.04	3.12	1.0	1.8	15.0	3.08	
	10	7/1.35	4.05	1.0	1.8	17.0	1.83	
3	1.5	7/0.53	1.59	0.8	1.8	11.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	12.5	7.41	
	4	7/0.85	2.55	1.0	1.8	14.5	4.61	
	6	7/1.04	3.12	1.0	1.8	16.0	3.08	
4	10	7/1.35	4.05	1.0	1.8	18.0	1.83	
	1.5	7/0.53	1.59	0.8	1.8	12.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	
	4	7/0.85	2.55	1.0	1.8	16.0	4.61	
	6	7/1.04	3.12	1.0	1.8	17.0	3.08	
	10	7/1.35	4.05	1.0	1.8	19.5	1.83	

Composition (구성)

도체 Conductor				절연 두께 Insulation thickness (mm)	스이즈 두께 Sheath thickness (mm)	완성외 경 Overall diameter Approx. (mm)	도체저 항 Conductor resistance (20°C) (Ω /km)	시험전압 Test voltage (V/5min)
선심수 Core	공칭단면적 Nominal cross- sectional area (mm ²)	구성 Construction (No./mm)	외경 Outer diameter (mm)					
5	1.5	7/0.53	1.59	0.8	1.8	13.5	12.1	3500
	2.5	7/0.67	2.01	0.8	1.8	14.5	7.41	
	4	7/0.85	2.55	1.0	1.8	17.0	4.61	
	6	7/1.04	3.12	1.0	1.8	18.5	3.08	
	10	7/1.35	4.05	1.0	1.8	21.0	1.83	
6	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	
	4	7/0.85	2.55	1.0	1.8	18.5	4.61	
	6	7/1.04	3.12	1.0	1.8	21.0	3.08	
	10	7/1.35	4.05	1.0	1.8	23.0	1.83	
7	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	
	4	7/0.85	2.55	1.0	1.8	18.5	4.61	
	6	7/1.04	3.12	1.0	1.8	21.0	3.08	
	10	7/1.35	4.05	1.0	1.8	23.0	1.83	
8	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	
	4	7/0.85	2.55	1.0	1.8	20.0	4.61	
	6	7/1.04	3.12	1.0	1.8	22.0	3.08	
	10	7/1.35	4.05	1.0	1.8	25.0	1.83	
10	1.5	7/0.53	1.59	0.8	1.8	18.0	12.1	
	2.5	7/0.67	2.01	0.8	1.8	19.5	7.41	
	4	7/0.85	2.55	1.0	1.8	23.0	4.61	
	6	7/1.04	3.12	1.0	1.8	26.0	3.08	
	10	7/1.35	4.05	1.0	1.8	29.0	1.83	
12	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	20.0	7.41	
	4	7/0.85	2.55	1.0	1.8	24.0	4.61	
	6	7/1.04	3.12	1.0	1.8	27.0	3.08	
	10	7/1.35	4.05	1.0	1.8	30.0	1.83	
15	1.5	7/0.53	1.59	0.8	1.8	19.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	22.0	7.41	
	4	7/0.85	2.55	1.0	1.8	26.0	4.61	
	6	7/1.04	3.12	1.0	1.8	29.0	3.08	
	10	7/1.35	4.05	1.0	1.8	32.0	1.83	
20	1.5	7/0.53	1.59	0.8	1.8	22.0	12.1	
	2.5	7/0.67	2.01	0.8	1.8	24.0	7.41	
	4	7/0.85	2.55	1.0	1.8	29.0	4.61	
	6	7/1.04	3.12	1.0	1.8	32.0	3.08	
	10	7/1.35	4.05	1.0	1.8	35.0	1.83	
30	1.5	7/0.53	1.59	0.8	1.8	26.0	12.1	
	2.5	7/0.67	2.01	0.8	1.8	28.0	7.41	
	4	7/0.85	2.55	1.0	1.8	35.0	4.61	

PVC Cord

PVC Insulated cable
- non sheathed cable

Movable cable

Welding Cable

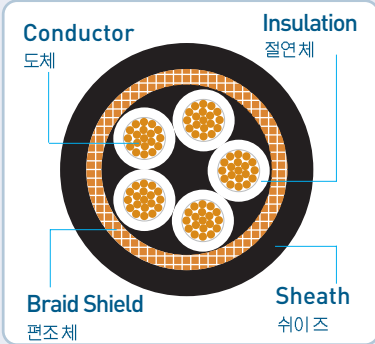
Rolling stock cable

Control cable

Technical data

Control Cable

제어용 케이블



Marking

0.6/1kV CVV-SB Cross-sec. SQMM
KYUNGSHIN 제조년

0.6/1kV CVV-SB

PVC insulated and sheathed shield control cable of rated voltage of 0.6/1kV
PVC 절연및쉬이즈차폐콘트롤케이블 (정격06/1kV)

Rated voltage (정격전압) : 0.6/1kV

Maximum conductor temperature in normal use (도체최고허용온도) : 70 °C

Applicable Standard (적용규격) : KS C IEC 60502

Application (적용) :

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

Especially good in noise environmental

06/1kV의 전원설비및부하설비에서원격제어용으로사용되며 기존고무제어용케이블보다가볍고 유연하며, 또한내화및마모성이우수함. 특히, 노이즈발생환경에서우수함

Composition (구성)

선심수 Core	도체 Conductor			절연두께 Insulation thickness (mm)	쉬이즈 두께 Sheath thickness (mm)	완성의경 Overall diameter Approx. (mm)	도체저항 Conductor resistance (20°C) (Ω /km)	시험전압 Test voltage (V/5min)
	공칭단면적 Nominal cross- sectional area (mm ²)	구성 Construction (No./mm)	외경 Outer diameter (mm)					
2	1.5	7/0.53	1.59	0.8	1.8	12.0	12.1	3500
	2.5	7/0.67	2.01	0.8	1.8	13.0	7.41	
	4	7/0.85	2.55	1.0	1.8	14.5	4.61	
	6	7/1.04	3.12	1.0	1.8	16.0	3.08	
	10	7/1.35	4.05	1.0	1.8	17.5	1.83	
3	1.5	7/0.53	1.59	0.8	1.8	12.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	
	4	7/0.85	2.55	1.0	1.8	15.5	4.61	
	6	7/1.04	3.12	1.0	1.8	17.0	3.08	
	10	7/1.35	4.05	1.0	1.8	18.5	1.83	
4	1.5	7/0.53	1.59	0.8	1.8	13.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	14.5	7.41	
	4	7/0.85	2.55	1.0	1.8	16.5	4.61	
	6	7/1.04	3.12	1.0	1.8	18.0	3.08	
	10	7/1.35	4.05	1.0	1.8	20.3	1.83	

Composition (구성)

도체 Conductor				절연 두께 Insulation thickness (mm)	스이즈 두께 Sheath thickness (mm)	완성외 경 Overall diameter Approx. (mm)	도체저 항 Conductor resistance (20°C) (Ω /km)	시험전압 Test voltage (V/5min)
선심수 Core	공칭단면적 Nominal cross- sectional area (mm ²)	구성 Construction (No./mm)	외경 Outer diameter (mm)					
5	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	3500
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	
	4	7/0.85	2.55	1.0	1.8	18.0	4.61	
	6	7/1.04	3.12	1.0	1.8	19.5	3.08	
	10	7/1.35	4.05	1.0	1.8	22.5	1.83	
6	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	
	4	7/0.85	2.55	1.0	1.8	19.5	4.61	
	6	7/1.04	3.12	1.0	1.8	21.5	3.08	
	10	7/1.35	4.05	1.0	1.8	24.5	1.83	
7	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	
	4	7/0.85	2.55	1.0	1.8	19.5	4.61	
	6	7/1.04	3.12	1.0	1.8	21.5	3.08	
	10	7/1.35	4.05	1.0	1.8	24.5	1.83	
8	1.5	7/0.53	1.59	0.8	1.8	16.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	17.5	7.41	
	4	7/0.85	2.55	1.0	1.8	21.5	4.61	
	6	7/1.04	3.12	1.0	1.8	23.5	3.08	
	10	7/1.35	4.05	1.0	1.8	26.5	1.83	
10	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	20.5	7.41	
	4	7/0.85	2.55	1.0	1.8	24.5	4.61	
	6	7/1.04	3.12	1.0	1.8	26.5	3.08	
	10	7/1.35	4.05	1.0	1.8	30.5	1.83	
12	1.5	7/0.53	1.59	0.8	1.8	19.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	20.5	7.41	
	4	7/0.85	2.55	1.0	1.8	25.5	4.61	
	6	7/1.04	3.12	1.0	1.8	27.5	3.08	
	10	7/1.35	4.05	1.0	1.8	31.5	1.83	
15	1.5	7/0.53	1.59	0.8	1.8	20.5	12.1	
	2.5	7/0.67	2.01	0.8	1.8	22.5	7.41	
	4	7/0.85	2.55	1.0	1.8	27.5	4.61	
	6	7/1.04	3.12	1.0	1.8	29.5	3.08	
	10	7/1.35	4.05	1.0	1.8	33.0	1.83	
20	1.5	7/0.53	1.59	0.8	1.8	23.0	12.1	
	2.5	7/0.67	2.01	0.8	1.8	25.0	7.41	
	4	7/0.85	2.55	1.0	1.8	30.3	4.61	
	6	7/1.04	3.12	1.0	1.8	33.0	3.08	
	10	7/1.35	4.05	1.0	1.8	36.0	1.83	
30	1.5	7/0.53	1.59	0.8	1.8	27.0	12.1	
	2.5	7/0.67	2.01	0.8	1.8	29.0	7.41	
	4	7/0.85	2.55	1.0	1.8	36.0	4.61	

PVC Cord

PVC Insulated cable
- non sheathed cable

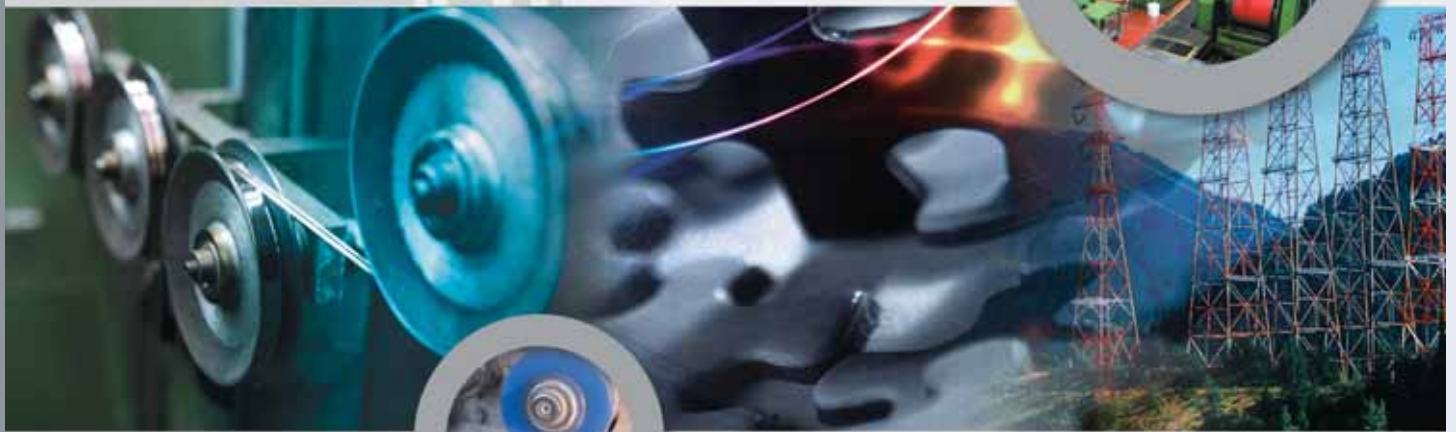
Movable cable

Welding Cable

Rolling stock cable

Control cable

Technical data



Technical data

기술자료

IEC Conductor Classification	37 - 38
(IEC 도체 분류)	
Maximum Current Ratings for Single Conductor	39
(최대 허용전류)	
Current Carrying Capacity	40
(허용전류)	
Conductor Table	41
(도체 변환표)	

IEC Conductor Classification

IEC도체분류

Class 2 (2급)

공칭단면적 Nominal cross-sectional area (mm ²)	도체의 최소 소선수 Minimum number of conductor						최대도체저항 Conductor resistance (20°C) Max.		
	원형비압축 Round, Non compressed		원형압축 Round, compressed		부채형 Fan type		동 Copper		알루미늄 Aluminum (Ω /km)
	Cu	Al	Cu	Al	Cu	Al	도금없음	도금있음	
							Untinned (Ω /km)	Tinned (Ω /km)	
0.5	7						36.0	36.7	
0.75	7						24.5	24.8	
1	7						18.1	18.2	
1.5	7		6				12.1	12.2	
2.5	7		6				7.41	7.56	
4	7	7	6				4.61	4.70	7.41
6	7	7	6				3.08	3.00	4.61
10	7	7	6				1.83	1.84	3.08
16	7	7	6	6			1.15	1.16	1.91
25	7	7	6	6	6	6	0.727	0.734	1.20
35	19	7	6	6	6	6	0.524	0.529	0.868
50	19	19	6	6	6	6	0.387	0.391	0.641
70	19	19	12	12	12	12	0.268	0.270	0.443
95	37	19	15	15	15	15	0.193	0.195	0.320
120	37	37	18	18	18	18	0.153	0.154	0.253
150	37	37	18	18	18	18	0.124	0.126	0.206
185	61	37	30	30	30	30	0.0991	0.100	0.164
240	61	61	34	34	34	34	0.0754	0.0762	0.125
300	61	61	34	34	34	34	0.0601	0.0607	0.100
400	61	61	53	53	53	53	0.0470	0.0475	0.078
500	91	61	53	53	53	53	0.0366	0.0369	0.0605
630	91	91	53	53	53	53	0.0283	0.0286	0.0469
800	91	91	53	53			0.0221	0.0224	0.0367
1000	91	91	53	53			0.0176	0.0177	0.0291
1200								0.0151	0.0247
(1400)								00.0129	0.2012
1600								00.0113	0.0186
(1800)								00.0101	0.0165
2000								00.0090	0.0149

PVC Cord

PVC Insulated cable
- non sheathed cable

Movable cable

Welding Cable

Rolling stock cable

Control cable

Technical data

Technical data

IEC Conductor Classification

IEC도체분류

Class 5 (5급)

공칭단면적 Nominal cross-sectional area (mm ²)	최대소선경 Maximum conductor diameter (mm)	최대도체저항 Conductor resistance (20°C) Max.	
		도금없음 Untinned wire (Ω /km)	도금있음 Tinned wire (Ω /km)
0.5	0.21	39.0	40.1
0.75	0.21	26.0	26.7
1	0.21	19.5	20.0
1.5	0.26	13.3	13.7
2.5	0.26	7.98	8.21
4	0.31	4.95	5.09
6	0.31	3.30	3.39
10	0.41	1.91	1.95
16	0.41	1.21	1.24
25	0.41	0.780	0.795
35	0.41	0.554	0.565
50	0.41	0.386	0.393
70	0.51	0.272	0.277
95	0.51	0.206	0.210
120	0.51	0.161	0.164
150	0.51	0.129	0.132
185	0.51	0.106	0.108
240	0.51	0.0801	0.0817
300	0.51	0.0641	0.0654
400	0.51	0.0486	0.0495
500	0.61	0.0384	0.0391
630	0.61	0.0287	0.0292

Class 6 (6급)

공칭단면적 Nominal cross-sectional area (mm ²)	최대소선경 Maximum conductor diameter (mm)	최대도체저항 Conductor resistance (20°C) Max.	
		도금없음 Untinned wire (Ω /km)	도금있음 Tinned wire (Ω /km)
0.5	0.16	39.0	40.1
0.75	0.16	26.0	26.7
1	0.16	19.5	20.0
1.5	0.16	13.3	13.7
2.5	0.16	7.98	8.21
4	0.21	4.95	5.09
6	0.21	3.30	3.39
10	0.21	1.91	1.95
16	0.21	1.21	1.24
25	0.21	0.780	0.795
35	0.21	0.554	0.565
50	0.31	0.386	0.393
70	0.31	0.272	0.277
95	0.31	0.206	0.210
120	0.31	0.161	0.164
150	0.31	0.129	0.132
185	0.41	0.106	0.108
240	0.41	0.0801	0.0817
300	0.41	0.0641	0.0654

Maximum Current Ratings for Single Conductor

최대 허용 전류

단위: A
Unit: A

공칭단면적 cross-sectional area (mm ²)	60°C	70°C	90°C	105°C	125°C	200°C
0.75	6	10	12	16	20	25
1	8	14	18	20	25	35
1.5	12	18	21	25	30	40
2.5	17	25	30	35	40	45
4	22	35	40	45	50	55
6	29	45	50	60	70	75
10	40	65	70	90	100	120
16	54	90	100	130	150	170
25	71	120	140	170	185	200
35	87	160	185	210	225	240
50	105	210	230	270	300	325
70	135	265	285	330	360	375
95	165	310	330	390	410	430
120	190	360	400	450	480	520
150	220	380	430	475	520	560

Maximum Current Ratings in Table will de-rated by the Factor Below

Temp. of conductor insulation	Multi max. current from table by
70	0.75
90	0.82
105	0.86
125	0.89
200	1.0

No. of conductor bundle	Multi max. current from table by
4 to 6	0.7
7 to 24	0.6
25 or more	0.5

PVC Cord

PVC Insulated cable
- non sheathed cable

Movable cable

Welding Cable

Rolling stock cable

Control cable

Technical data

Technical data

Current Carrying Capacity

허용전류

KSCIEC60364

60227 KS IEC 01

단위:A
Unit:A

공칭단면적 Nominal cross-sectional area (mm ²)	포설조건 Condition	단열된 벽내의 전선관에 시공한 절연전선 Insulated wire in conduit of the wall heat resistance	목재 벽면의 전선관에 시공한 절연전선 Insulated wire in conduit of the wooden wall
1.5		14.5	17.5
2.5		19.5	24
4		26	32
6		34	41
10		46	57
16		61	76
25		80	101
35		99	125
50		119	151
70		151	192
95		182	232
120		210	269
150		240	-
185		273	-
240		321	-
300		367	-

Compensation Coefficient (보상계수)

주위 온도 Ambient Temperature (°C)	절연체 Insulation			
	PVC	XLPE or EP	무기 Unorganized	
			PVC 또는 노출로 접촉할 우려가 있는 것 (70°C) PVC or Condition of exposure (70°C)	노출로 접촉할 우려가 없는 것 (105°C) Condition of unexposure (105°C)
10	1.22	1.15	1.26	1.14
15	1.17	1.12	1.20	1.11
20	1.12	1.08	1.14	1.07
25	1.06	1.04	1.07	1.04
30	1.00	1.00	1.00	1.00
35	0.94	0.96	0.93	0.96
40	0.87	0.91	0.85	0.92
45	0.79	0.87	0.87	0.88
50	0.71	0.82	0.67	0.84
55	0.61	0.76	0.57	0.80
60	0.50	0.71	0.45	0.75
65		0.65		0.70
70		0.58		0.65
75		0.50		0.50
80		0.41		0.54
85				0.47
90				0.40
95				0.32

Drop Coefficient (감소 계수)

포설 형태 Lay out	회로 또는 다심 케이블의 수 Circuit or Number of multi core cable											
	1	2	3	4	5	6	7	8	9	12	16	20
기중이나 벽면에 묶거나 매설 또는 수납 Air or Buried	1.00	0.80	0.70	0.65	0.60	0.57	0.54	0.52	0.50	0.45	0.41	0.38
벽 또는 막힘형 트레이의 단일층 Wall or closed single layer	1.00	0.85	0.79	0.75	0.73	0.72	0.72	0.71	0.71			
목재 천장면 아래에 직접 고정된 단일층 Fixed single layer under the wooden zenith	0.95	0.81	0.72	0.68	0.66	0.64	0.63	0.62	0.62			
환기형 수평 또는 수직 트레이의 단일층 Circulated horizontal or vertical single layer	1.00	0.88	0.82	0.77	0.75	0.73	0.73	0.72	0.72			
사다리 지지대 또는 클리트의 단일층 Ladder supporter	1.00	0.87	0.82	0.80	0.80	0.79	0.79	0.78	0.78			

Conductor Table

도체변환표 (2등급 도체)

KSC3328

구 KS 도체 Ex KS conductor				IEC 도체 IEC conductor			
공칭단면적 Nominal Cross- sectional area (mm ²)	구성 Construction (No./mm)	외경 Diameter (mm)	저항 Resistance (Ω /km)	공칭단면적 Nominal Cross- sectional area (mm ²)	구성 Construction (No./mm)	외경 Diameter (mm)	저항 Resistance (Ω /km)
1.25	7/0.45	1.4	16.5	1.5	7/0.53	1.59	12.1
2	7/0.6	1.8	9.24	2.5	7/0.67	2.01	7.41
3.5	7/0.8	2.4	5.20	4	7/0.85	2.55	4.61
5.5	7/1.0	3.0	3.33	6	7/1.04	3.12	3.08
8	7/1.2	3.6	2.31	10	7/1.35	4.05	1.83
14		4.4	1.30	16		4.7	1.15
22		5.5	0.824	25		5.9	0.727
38		7.3	0.487	35		6.09	0.524
				50		8.1	0.387
60		9.3	0.303				
				70		9.8	0.268
100		12.0	0.180	95		11.4	0.193
				120		12.9	0.153
150		14.7	0.118	150		14.4	0.124
200		17.0	0.0922	185		15.9	0.0991
250		19.0	0.0722	240		18.3	0.0754
325		21.7	0.0565	300		20.5	0.0601
400		24.1	0.0454	400		23.2	0.0470
500		26.9	0.0373				

PVC Cord

PVC Insulated cable
- non sheathed cable

Movable cable

Welding Cable

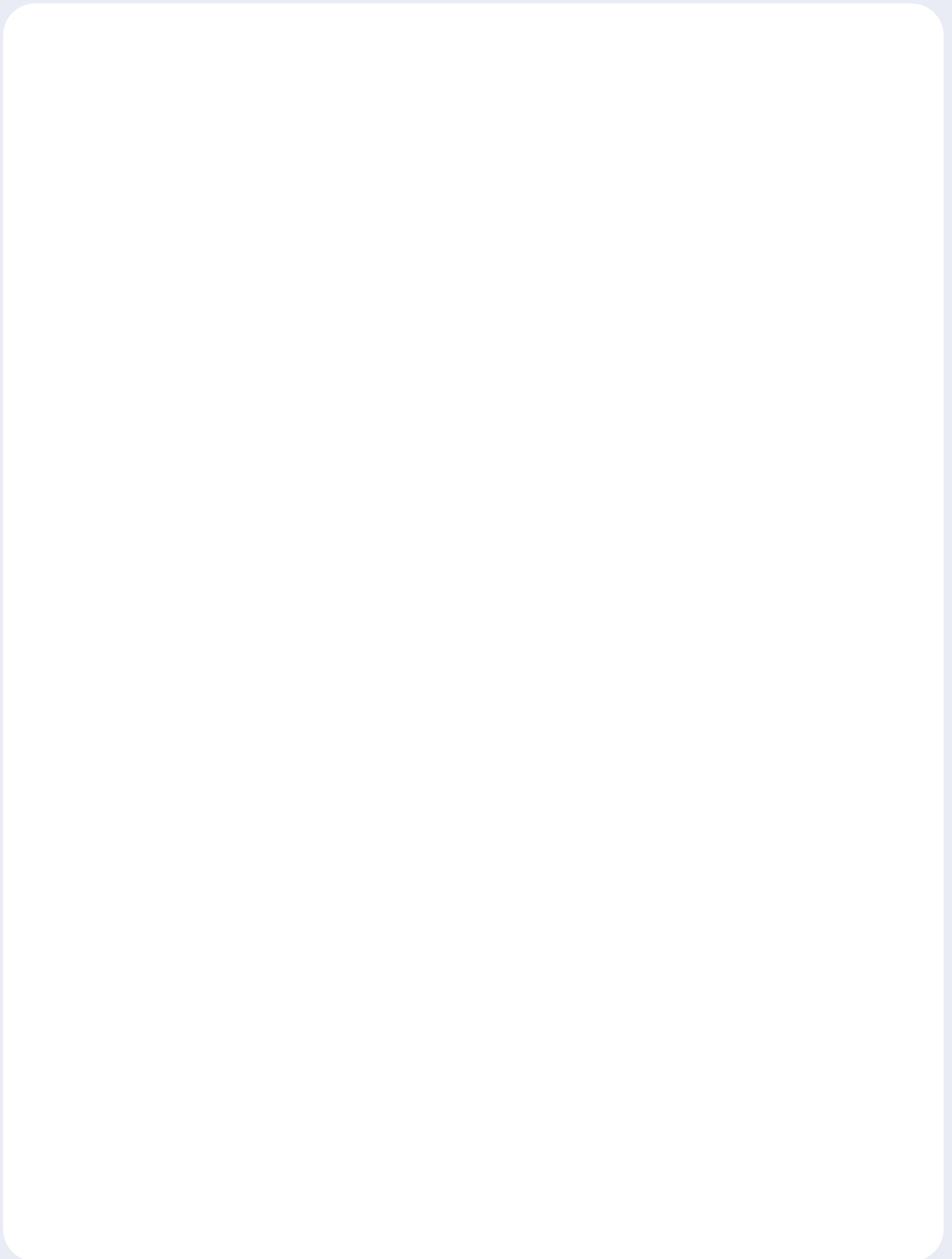
Rolling stock cable

Control cable

Technical data

Memo







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