



HANMI

ELECTRIC WIRE & CABLE





- 1974. 4. Registered the manufacturing industry of electric supplies on April, 1974.
- 1988. 5. Established Hanmi Cable Co. on May, 1988.
- 1989. 1. Joined Trade Association on January, 1989.
- 1989. 1. Exported to Saudi Arabia on January 1989.
- 1989. 8. Producing Power Cable on August, 1989.
- 1991. 2. Reconverted incorporation to Hanmi Cable Co. on February, 1991.
- 1991. 8. Completed the factory in Eumseong and moved on August, 1991.
- 1992.11. Joined a Public Cooperative Association of Korea Cable on November, 1992.
- 1993. 9. Starting delivery of goods to Korea Electric Power Corp., on September, 1993.
- 1995. 12. Producing a cable for control on December, 1995.
- 1996. 1. Selected an enterprise appointed for exception from military on January, 1996.
- 1999. 2. Producing fire cable on February, 1999.
- 2000. 12. Obtained certification of ISO 9002 on December, 2000.
- 2001. 6. Selected a hopeful small and medium enterprise on June, 2001.
- 2002. 5. Producing Plenum cable for Tray on May, 2002.
- 2004. 7. Obtained certification of superiority group in a Cable association on July, 2004.
- 2004. 12. Selected the top enterprise of Chungcheongbuk-do on December, 2004.
- 2005. 4. Acquired certification for HFCO Safety on April, 2005.
- 2008. 7. Completed the factory of Jincheon and moved on July, 2008.
- 2008. 8. Delivered goods to ACSR of Korea Electric Power Corp. on August, 2008.
- 2008. 10. Acquired certification for developing ACSR/AW-OC of Korea Electric Power Corp. on October, 2008.
- 2008. 10. Established the technological institute attached of an enterprise on October, 2008.
- 2009. 4. Obtained INNO-BIZ Venture Business
- 2009. 5. Obtained 6/10kV Korean Standard (KS) mark
- 2009. 5. Obtained HFCO, HFCCO Korean Standard (KS) mark
- 2009. 5. Received the Order of Industrial Service Merit
- 2010. 1. Obtained Environmene -Certification of ISO 14001 on January 2010
- 2010. 1. Acquired Certification for developing FR CNCO-W of Korea Electric Power Corp-on January, 2010
- 2010. 8. Acquired KS C 3341 for halogen free flame retardant polyolefin power cable and insulated wire (HFIX) on August 2010.
- 2010. 12. Obtained HFIX Korean Standard (KS) mark on December 2010.
- 2011. 1. Selected as a member of Job World Best 600 companies on January 2011.
- 2011. 5. Awarded by the Minister of Knowledge Economy on May 2011.
- 2012. 12. Acquired certification for TR CNCE-W 400QMM, 2 kinds other than ACSR/AW-OC 58SQMM, and Environmental Mark for HFIX, HFCO and HFCCO on December 2012.
- 2013. 9. Acquired certification as KEPCO Trusted Partner with high quality, reliability and customer satisfaction and for TR CNCE-W 600SQMM on September 2013.

Company Profile



- | | | | | | |
|-------|----|----------------|-------|----|---|
| 1974. | 4 | 전기용품 제조업등록 | 2008. | 10 | 한전 ACSR/AW-OC 개발인증 획득 |
| 1988. | 5 | 한미전선공업사 설립 | 2008. | 10 | 기업부설 기술연구소 설립 |
| 1989. | 1 | 무역협회 가입 | 2009. | 4 | 이노비즈 벤처기업 인증 |
| 1989. | 1 | 사우디아라비아 수출 | 2009. | 5 | 6/10kV KS공인인증 획득 |
| 1989. | 8 | 전력케이블 생산 | 2009. | 5 | HFCO, HFCCO KS 취득 |
| 1991. | 2 | 한미전선주식회사로 법인전환 | 2009. | 5 | 한국산업포장 수훈 |
| 1991. | 8 | 음성공장 준공, 이전 | 2010. | 1 | ISO 14001환경인증획득 |
| 1992. | 11 | 한국전선공업협동조합 가입 | 2010. | 1 | 한전 FR CNCO-W 개발인증 취득 |
| 1993. | 9 | 한국전력공사 납품시작 | 2010. | 8 | KS C 3341저독성 난연폴리올레핀 전력케이블
절연전선 취득(HFIX) |
| 1995. | 12 | 제어용케이블 생산 | 2010. | 12 | HFIX KS 취득 |
| 1996. | 1 | 병역특례 지정업체 선정 | 2011. | 1 | 잡월드 베스트 600기업 선정 |
| 1999. | 2 | 소방용케이블 생산 | 2011. | 5 | 지식경제부장관상 수상 |
| 2000. | 12 | ISO 9002 인증획득 | 2012. | 12 | TR CNCE-W/AL 400SQMM 인증 취득,
ACSR/AW-OC 58SQMM외 2종 인증취득
HFX, HFCO, HFCCO 환경표지 인증 취득 |
| 2001. | 6 | 유망중소기업지정 | 2013. | 9 | 한국전력공사로부터 품질, 신뢰도, 고객만족도
협력 중소기업으로부터 평가되어 KEPCO Tru
Partner 인증서 취득
TR CNCE-W 600SQMM 인증 취득 |
| 2002. | 5 | 트레이용 난연케이블 생산 | | | |
| 2004. | 7 | 전선조합 우수단체 인증획득 | | | |
| 2004. | 12 | 충청북도 으뜸기업선정 | | | |
| 2005. | 4 | HFCO 안전인증 취득 | | | |
| 2008. | 7 | 진천공장준공, 이전 | | | |
| 2008. | 8 | 한전 ACSR납품 | | | |



60227 KS IEC 01

450/750V 일반용 단심비닐절연전선

• 주로 450/750V 이하의 옥내배선용으로 사용되며 내후성, 내구성이 양호한 절연전선이다.

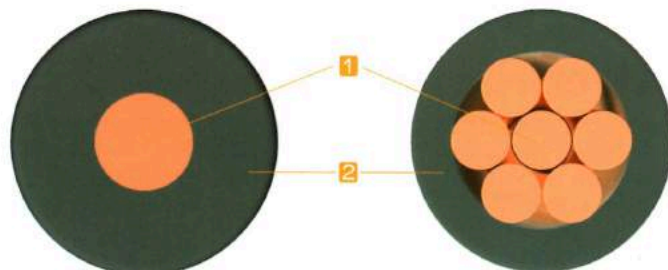
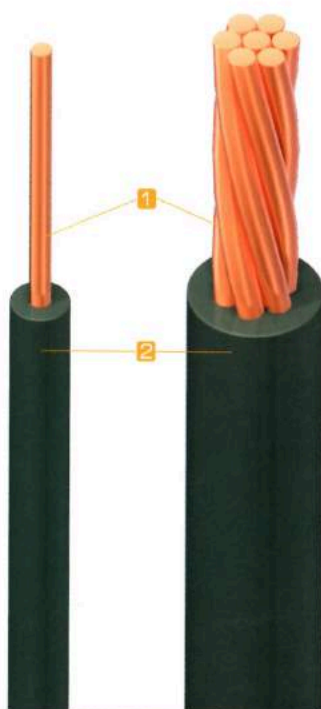
• It is chiefly used for indoor distribution line under 450/750V grade and highly weather proofing and safe use over a long period is assured.

■ 구조

1. 도체 : 1등급(단선) 또는 2등급(연선) 도체
2. 절연체 : PVC/C
3. 절연체 색상 : 흑, 백, 적, 녹, 황, 청
4. 적용규격 : KS C IEC60227-3
5. 제품인증 : 한국산업규격(KS)

■ CONSTRUCTION

1. Conductor : Solid(Class 1) or Stranded Annealed Copper(Class 2)
2. Insulation : PVC/C
3. Color of insulation : Black, White, Red, Green, Yellow and Blue
4. Standard : KS C IEC60227-3
5. Certificate : Korean Industrial Standards



단선도체
Solid Conductor

연선도체
Stranded Conductor

① 도체 ① Conductor
② 절연체 ② Insulation

KS C IEC60227-3

도체 Conductor		절연체두께 Insulation Thickness	평균완성외경 Mean Overall Diameter		도체저항(20℃) Conductor Resistance	절연저항(70℃) Insulation Resistance	시험전압 Test Voltage	개산중량 Approx. Weight
공칭단면적 Nominal Area mm ²	등급 Class		하한값 Lower Limit mm	상한값 Upper Limit mm				
1.5	1	0.7	2.6	3.2	12.1	0.011	2.5	20
2.5	1	0.8	3.2	3.9	7.41	0.009	2.5	40
4.0	1	0.8	3.6	4.4	4.61	0.0085	2.5	50
6.0	1	0.8	4.1	5.0	3.08	0.0070	2.5	70
10	1	1.0	5.3	6.4	1.83	0.0070	2.5	120
1.5	2	0.7	2.7	3.3	12.1	0.010	2.5	20
2.5	2	0.8	3.3	4.0	7.41	0.009	2.5	40
4	2	0.8	3.8	4.6	4.61	0.0077	2.5	50
6	2	0.8	4.3	5.2	3.08	0.0065	2.5	70
10	2	1.0	5.6	6.7	1.83	0.0065	2.5	120
16	2	1.0	6.4	7.8	1.15	0.0050	2.5	170
25	2	1.2	8.1	9.7	0.727	0.0050	2.5	260
35	2	1.2	9.0	10.9	0.524	0.0043	2.5	350
50	2	1.4	10.6	12.8	0.387	0.0043	2.5	480
70	2	1.4	12.1	14.6	0.268	0.0035	2.5	670
95	2	1.6	14.1	17.1	0.193	0.0035	2.5	920
120	2	1.6	15.6	18.8	0.153	0.0032	2.5	1160
150	2	1.8	17.3	20.9	0.124	0.0032	2.5	1430
185	2	2.0	19.3	23.3	0.0991	0.0032	2.5	1780
240	2	2.0	22.3	26.6	0.0754	0.0032	2.5	2320
300	2	2.4	24.5	29.6	0.0601	0.0030	2.5	2930
400	2	2.6	27.5	33.2	0.0470	0.0028	2.5	3730

0.6/1kV CV 0.6/1kV XLPE Insulated PVC Sheathed Power Cable

0.6/1kV 가교폴리에틸렌 절연 비닐시스 케이블(0.6/1kV CV)

• 0.6/1kV 이하의 전력용 또는 제어용 회로에 사용하며 전기적, 물리적, 화학적 특성이 우수한 케이블이다.

• This cable is designed for the purpose of using in power, distribution line or control system under 0.6/1kV having excellent electrical, physical and chemical properties

■ 구조

- 1.도체 : 전기용 연동연선(원형,압축연선)
- 2.절연체 : XLPE
- 3.선심식별 : 색 테이프

선심수	색
2심	흑,백
3심	흑,백,적
4심	흑,백,적,녹

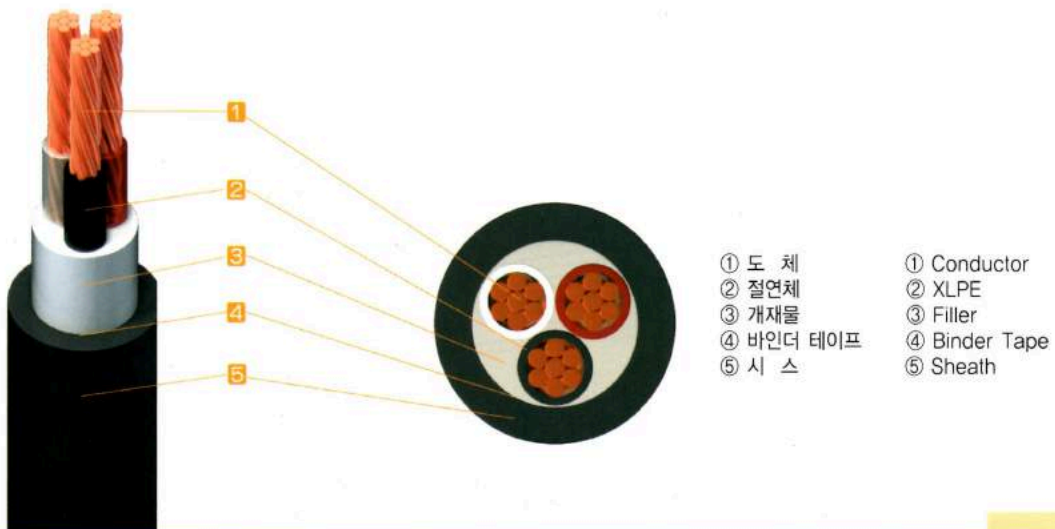
- 4.피복체 : PVC/ST2
- 5.적용규격 : KS C IEC60502-1
- 6.제품인증 : 한국산업규격(KS)

■ CONSTRUCTION

- 1.Conductor : Annealed Copper wire (Concentric Circular, Compact Circular)
- 2.Insulation : XLPE
- 3.Core Identification : Color Tape

No. of cores	color
2cores	Black,White
3cores	Black,White,Red
4cores	Black,White,Red,Green

- 4.Shield : PVC/ST2
- 5.Standard : KS C IEC60502-1
- 6.Certificate : Korean Industrial Standards

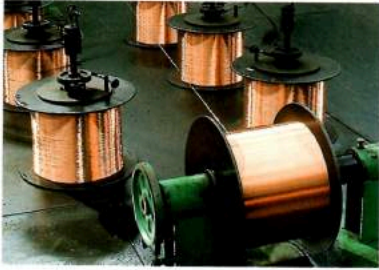


KS C IEC60502-1

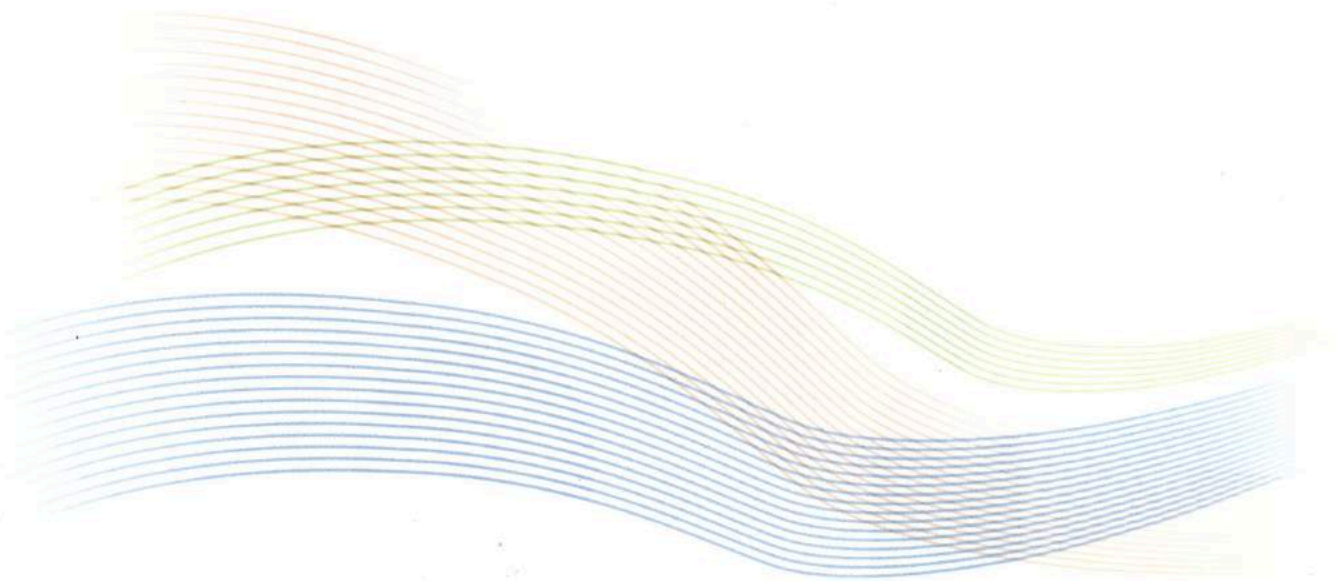
선심수 No. of Cores	도체 Conductor			절연체두께 Insulation Thickness	시스두께 Sheath Thickness	완성외경 Overall Diameter	도체저항(20℃) Conductor Resistance at 20℃	시험전압 Test Voltage	개산중량 Approx. Weight
	공칭단면적 Nominal Area	구성 Construction	외경 Diameter						
c	mm ²	No/mm	mm	mm	mm	mm	Ω/km	kV	kg/km
1	1.5	7/0.53	1.59	0.7	1.4	6.3	12.1	3.5	50
	2.5	7/0.67	2.01	0.7	1.4	6.7	7.41	3.5	70
	4	7/0.85	2.55	0.7	1.4	7.2	4.61	3.5	90
	6	7/1.04	3.12	0.7	1.4	7.8	3.08	3.5	110
	10	7/1.35	4.05	0.7	1.4	9.4	1.83	3.5	170
	16	원형압축	4.7	0.7	1.4	10	1.15	3.5	210
	25	원형압축	5.9	0.9	1.4	13.0	0.727	3.5	310
	35	원형압축	6.9	0.9	1.4	14.0	0.524	3.5	400
	50	원형압축	8.1	1.0	1.4	15.0	0.387	3.5	520
	70	원형압축	9.8	1.1	1.4	17.0	0.268	3.5	720
	95	원형압축	11.4	1.1	1.5	19.0	0.193	3.5	970
	120	원형압축	12.9	1.2	1.5	21.0	0.153	3.5	1210
	150	원형압축	14.4	1.4	1.6	23.0	0.124	3.5	1490
	185	원형압축	15.9	1.6	1.6	25.0	0.0991	3.5	1840
	240	원형압축	18.3	1.7	1.7	28.0	0.0754	3.5	2400
	300	원형압축	20.5	1.8	1.8	30.0	0.0601	3.5	2980
	400	원형압축	23.2	2.0	1.9	34.0	0.0470	3.5	3800
	500	원형압축	26.4	2.2	2.0	38.0	0.0366	3.5	4850
630	원형압축	30.2	2.4	2.2	42.0	0.0283	3.5	6240	
2	1.5	7/0.53	1.59	0.7	1.8	11	12.1	3.5	120
	2.5	7/0.67	2.01	0.7	1.8	12	7.41	3.5	150
	4	7/0.85	2.55	0.7	1.8	13	4.61	3.5	190
	6	7/1.04	3.12	0.7	1.8	14	3.08	3.5	240
	10	7/1.35	4.05	0.7	1.8	17	1.83	3.5	330
	16	원형압축	4.7	0.7	1.8	19.0	1.15	3.5	450
	25	원형압축	5.9	0.9	1.8	22.0	0.727	3.5	660
	35	원형압축	6.9	0.9	1.8	24.0	0.524	3.5	880
	50	원형압축	8.1	1.0	1.8	27.0	0.387	3.5	1150
	70	원형압축	9.8	1.1	1.8	31.0	0.268	3.5	1610
	95	원형압축	11.4	1.1	1.9	35.0	0.193	3.5	2170
	120	원형압축	12.9	1.2	2.0	38.0	0.153	3.5	2670
	150	원형압축	14.4	1.4	2.2	42.0	0.124	3.5	3310
	185	원형압축	15.9	1.6	2.3	47.0	0.0991	3.5	4110
	240	원형압축	18.3	1.7	2.5	52.0	0.0754	3.5	5340
300	원형압축	20.5	1.8	2.6	57.0	0.0601	3.5	6630	



선심수 No. of Cores c	도체 Conductor			절연체두께 Insulation Thickness mm	시스두께 Sheath Thickness mm	완성외경 Overall Diameter mm	도체저항(20℃) Conductor Resistance at 20℃ Ω/km	시험전압 Test Voltage kV	개산중량 Approx. Weight kg/km
	공칭단면적 Nominal Area mm ²	구성 Construction No/mm	외경 Diameter mm						
3	1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3.5	150
	2.5	7/0.67	2.01	0.7	1.8	12.5	7.41	3.5	180
	4	7/0.85	2.55	0.7	1.8	13.5	4.61	3.5	240
	6	7/1.04	3.12	0.7	1.8	14.5	3.08	3.5	310
	10	7/1.35	4.05	0.7	1.8	18	1.83	3.5	450
	16	원형압축	4.7	0.7	1.8	20.0	1.15	3.5	610
	25	원형압축	5.9	0.9	1.8	23.0	0.727	3.5	900
	35	원형압축	6.9	0.9	1.8	26.0	0.524	3.5	1210
	50	원형압축	8.1	1.0	1.8	29.0	0.387	3.5	1560
	70	원형압축	9.8	1.1	1.9	33.0	0.268	3.5	2200
	95	원형압축	11.4	1.1	2.0	37.0	0.193	3.5	2970
	120	원형압축	12.9	1.2	2.1	41.0	0.153	3.5	3790
	150	원형압축	14.4	1.4	2.3	45.0	0.124	3.5	4670
	185	원형압축	15.9	1.6	2.4	50.0	0.0991	3.5	5830
	240	원형압축	18.3	1.7	2.6	56.0	0.0754	3.5	7580
300	원형압축	20.5	1.8	2.7	61.0	0.0601	3.5	9400	
4	1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3.5	170
	2.5	7/0.67	2.01	0.7	1.8	13.5	7.41	3.5	220
	4	7/0.85	2.55	0.7	1.8	14.5	4.61	3.5	290
	6	7/1.04	3.12	0.7	1.8	16	3.08	3.5	380
	10	7/1.35	4.05	0.7	1.8	20.0	1.83	3.5	570
	16	원형압축	4.7	0.7	1.8	22.0	1.15	3.5	790
	25	원형압축	5.9	0.9	1.8	26.0	0.727	3.5	1180
	35	원형압축	6.9	0.9	1.8	28.0	0.524	3.5	1550
	50	원형압축	8.1	1.0	1.9	32.0	0.387	3.5	2060
	70	원형압축	9.8	1.1	2.0	37.0	0.268	3.5	2930
	95	원형압축	11.4	1.1	2.1	41.0	0.193	3.5	3970
	120	원형압축	12.9	1.2	2.3	45.0	0.153	3.5	4980
	150	원형압축	14.4	1.4	2.4	50.0	0.124	3.5	6130
	185	원형압축	15.9	1.6	2.6	55.0	0.0991	3.5	7660
	240	원형압축	18.3	1.7	2.8	62.0	0.0754	3.5	9960
300	원형압축	20.5	1.8	3.0	68.0	0.0601	3.5	12380	



Hanmi Electric wire & Cable





한미전선주식회사
HANMI ELECTRIC WIRE CO., LTD.

본사 · 공장

충북 진천군 이월면 생거진천로 2028-37
(이월 전기전자 농공단지)

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서울사무소

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<http://www.hanmicable.com>