

절연 전선

PVC Insulated Wire

DAEWON CABLE

- 450/750V 저독성 난연 가교 폴리올레핀 절연 전선(HF-IX, α -Slip)
- 300/500V 기기 배선용 단심 비닐 절연 전선(HIV)
- 450/750V 일반용 단심 비닐 절연 전선(IV)
- Building wire (XHHW/SIS, THW, XHHW)
- 옥외용 비닐 절연 전선(OW)
- 알루미늄 가교 폴리에틸렌 절연 전선
- USE-2



450/750V 저독성 난연 가교 폴리올레핀 절연전선

KSC 3341

450/750V HF-IX, α -Slip

450/750V 이하의 일반 전기 공작물이나 전기기기의 배선에 사용하는 저독성 난연 가교 폴리올레핀으로 절연한 전선이다.

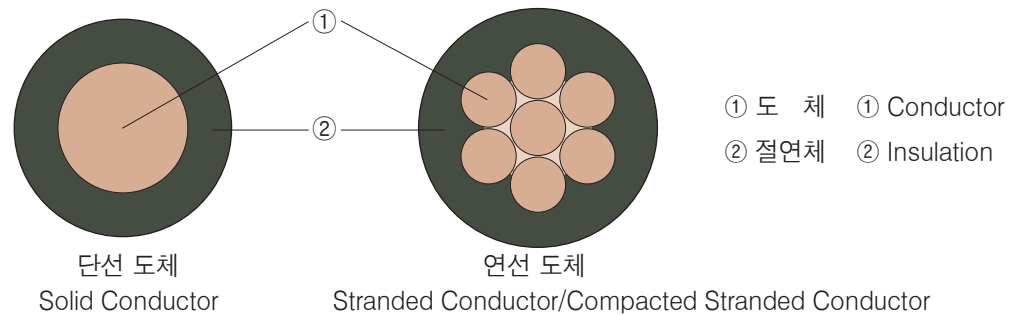
It is used mainly in wiring of electric apparatus and equipment under 450/750V grade, and insulated with compound mainly composed of halogen free flame retardant resin.

구 조

- 1.도체 : 전기용 연동선(원형 연동선, 연동연선)
- 2.절연체 : 저독성 난연 가교 폴리올레핀
- 3.절연체 색상 : 흑색, 백색, 적색, 녹색, 황색, 청색
- 4.최고 허용 온도 : 90℃

Construction

- 1.Conductor : Annealed copper Wire (Solid, Circular stranded)
2. Insulation : Halogen free flame retardant cross-linked polyolefin
- 3.Color of Insulation : Black, White Red, Green, Yellow, Blue
- 4.Maximum allowable temperature : 90℃



Conductor			Nominal Insulation Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km	Maximum Conductor Resistance at 20℃ Ω/km	Standard Length m
Sectional Area mm ²	Dia. of Wire No./mm	Approx. Outer Diameter mm						
1.5	1/1.38	1.38	0.7	2.6	3.3	20	12.1	300
1.5	7/0.53	1.59	0.7	2.7	3.4	22	12.1	
2.5	1/1.78	1.78	0.8	3.2	4.0	31	7.41	
2.5	7/0.67	2.01	0.8	3.3	4.1	34	7.41	
4	1/2.25	2.25	0.8	3.6	4.6	47	4.61	
4	7/0.85	2.55	0.8	3.8	4.7	50	4.61	
6	1/2.76	2.76	0.8	4.1	5.2	67	3.08	
6	7/1.04	3.12	0.8	4.3	5.4	70	3.08	
10	7/1.35	4.05	1.0	5.6	7.0	120	1.83	
16	C.C	4.7	1.0	6.4	8.0	170	1.15	
25	C.C	5.9	1.2	8.1	10.1	270	0.727	
35	C.C	6.9	1.2	9.0	11.3	365	0.524	
50	C.C	8.1	1.4	10.6	13.2	500	0.387	
70	C.C	9.7	1.4	12.1	15.1	680	0.268	
95	C.C	11.3	1.6	14.1	17.6	940	0.193	
120	C.C	12.8	1.6	15.6	19.4	1170	0.153	
150	C.C	14.4	1.8	17.3	21.6	1450	0.124	
185	C.C	15.9	2.0	19.3	24.1	1820	0.0991	
240	C.C	18.3	2.2	22.0	27.5	2370	0.0754	
300	C.C	20.3	2.4	24.5	30.6	2950	0.0601	

※ C.C : Circular Compact stranded shape

300/500V 기기배선용 단심비닐절연전선

KSC IEC 60227-3

300/500V HIV

300/500V 이하의 일반 전기 공작물이나 전기 기기의 배선에 사용하는 비닐 절연 전선으로 내열성 가소제를 첨가한 수지로 절연한 전선이다.

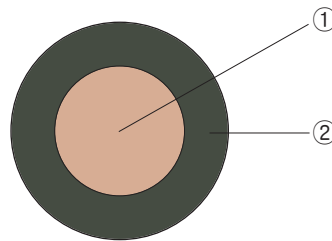
It is used mainly in wiring of electric apparatus and equipment under 300/500V grade, and insulated with compound mainly composed of PVC resin including heat resistant plasticizer.

■ 구조

1. 도체 : 전기용연동선 (원형연동선)
2. 절연체 : 내열성염화비닐수지 (PVC/E)
3. 절연체 색상 : 흑색, 백색, 적색, 녹색, 황색, 청색
4. 최고 허용 온도 : 90℃

■ Construction

1. Conductor : Annealed copper Wire (Solid)
2. Insulation : PVC (PVC/E)
3. Color of Insulation : Black, White Red, Green, Yellow, Blue
4. Maximum allowable temperature : 90℃



- ① 도체 ① Conductor
② 절연체 ② Insulation

단선도체
Solid Conductor

Conductor			Nominal Insulation Thickness mm	Max. Overall Diameter mm	Max. Conductor Resistance at. 20℃ Ω/km	Min. Insulation Resistance at 90℃ MΩ.km	Approx. Weight kg/km	Standard Length m
Sectional Area mm²	Dia. of Wire No./mm	Approx. Outer Diameter mm						
1.5	1/1.38	1.38	0.7	3.2	12.1	0.011	21	300
2.5	1/1.78	1.78	0.8	3.9	7.4	0.009	32	300

450/750V 일반용 단심비닐절연전선

KSC IEC 60227-3

450/750V IV

450/750V 이하의 일반 전기 공작물이나 전기 기기의 배선에 사용하는 비닐 절연 전선으로 염화 비닐 혼합물로 절연한 전선이다.

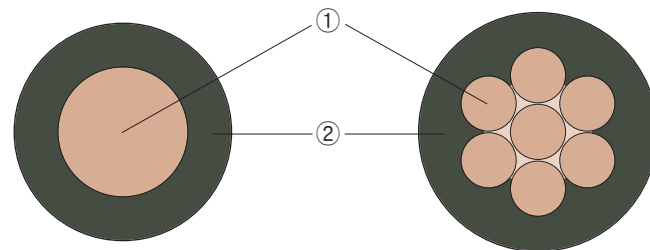
It is used mainly in wiring of electric apparatus and equipment under 450/750V grade, and insulated with compound mainly composed of PVC resin.

구 조

1. 도 체 : 전기용 연동선 (원형 연동선, 연동 연선)
2. 절 연 체 : 내열성 염화 비닐 수지 (PVC/C)
3. 절 연 체 색 상 : 흑색, 백색, 적색, 녹색, 황색, 청색
4. 최고 허용 온도 : 70℃

Construction

1. Conductor : Annealed copper Wire (Solid, Circular stranded)
2. Insulation : PVC (PVC/C)
3. Color of Insulation : Black, White Red, Green, Yellow, Blue
4. Maximum allowable temperature : 70℃



단선도체
Solid Conductor

연선도체
Stranded Conductor

- ① 도체 ① Conductor
② 절연체 ② Insulation

Conductor			Nominal Insulation Thickness mm	Max. Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Min. Insulation Resistance at 70℃ MΩ.km	Approx. Weight kg/km	Standard Length m
Sectional Area mm ²	Dia. of Wire No./mm	Approx. Outer Diameter mm						
1.5	1/1.38	1.38	0.7	3.2	12.1	0.011	20	300
1.5	7/0.53	1.59		3.3	12.1	0.010	22	
2.5	1/1.78	1.78		3.9	7.41	0.010	32	
2.5	7/0.67	2.01		4.0	7.41	0.009	34	
4	1/2.25	2.25	0.8	4.4	4.61	0.0085	47	
4	7/0.85	2.55		4.6	4.61	0.0077	50	
6	1/2.76	2.76		5.0	3.08	0.0070	67	
6	7/1.04	3.12		5.2	3.08	0.0065	70	
10	1/3.57	3.57	1.0	6.4	1.83	0.0070	115	
10	7/1.35	4.05		6.7	1.83	0.0065	120	
16	C.C	4.7		7.8	1.15	0.0050	175	
25	C.C	5.9	1.2	9.7	0.727	0.0050	270	
35	C.C	6.9		10.9	0.524	0.0040	365	
50	C.C	8.1	1.4	12.8	0.387	0.0050	505	
70	C.C	9.7		14.6	0.268	0.0035	685	
95	C.C	11.3	1.6	17.1	0.193	0.0035	940	
120	C.C	12.8		18.8	0.153	0.0032	1170	
150	C.C	14.4	1.8	20.9	0.124	0.0032	1460	
185	C.C	15.9	2.0	23.3	0.0991	0.0032	1820	
240	C.C	18.3	2.2	26.6	0.0754	0.0032	2370	
300	C.C	20.3	2.4	29.6	0.0601	0.0030	2960	
400	C.C	23.1	2.6	33.2	0.0470	0.0028	3820	

※ C.C : Circular Compact stranded shape

0.6/1kV 난연 가교폴리에틸렌 절연전선

0.6/1kV XHHW/SIS

0.6/1kV 이하의 일반 전기 공작물이나 전기기의 배선에 사용하는 난연 가교 폴리에틸렌으로 절연한 전선이다.

It is used mainly in wiring of electric apparatus and equipment under 0.6/1kV grade, and insulated with compound mainly composed of flame retardant XLPE resin.

■ 구 조

1. 도 체 : 주석도금 연동전선(class 2 or class 5)
2. 절 연 체 : 난연 가교 폴리에틸렌
3. 절연 체 색 상 : 흑색, 적색, 녹색, 황색, 청색, 회색, 녹/황색
4. 최고 허용 온도 : 90℃

■ Construction

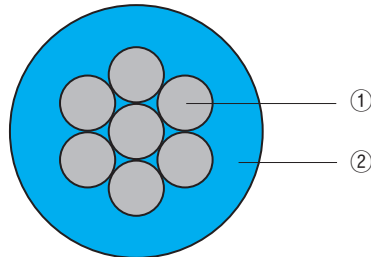
1. Conductor : Annealed tinned copper Wire (class 2 or class5)
2. Insulation : Flame retardant cross-linked polyethylene
3. Color of Insulation : Black, Red, Green, Yellow Blue, Grey, Green/Yellow
4. Maximum allowable temperature : 90℃

■ 특 성

1. 난 연 시 험 : VW-1, VTFT

■ Charaderistic

1. Flame retardant test : VW-1, VTFT



- ①도체 (Conductor) : class 2 or class 5
②절연체 (Insulation) : FR-XLPE

■ 0.6/1kV XHHW/SIS (Class 2)

Conductor			Nominal Insulation Thickness mm	Min. Insulation Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at. 20℃ Ω/km	Minimum Insulation Resistance at. 15℃ MΩ/km	Approx. Weight kg/km
Sectional Area mm ²	Dia. of Wire No./mm	Approx. Outer Diameter mm						
1.5	7/0.53	1.59	0.76	0.69	3.3	12.2	910	25
2.5	7/0.67	2.01	0.76	0.69	3.8	7.56	815	40
4	7/0.85	2.55	0.76	0.69	4.4	4.7	685	55
6	7/1.04	3.12	0.76	0.69	4.9	3.11	565	75
10	7/1.35	4.05	1.14	1.02	6.6	1.16	650	120
16	7/1.7	5.1	1.14	1.02	7.7	0.734	454	180
25	7/2.14	6.42	1.14	1.02	9.0	0.529	445	275
35	7/2.52	7.56	1.14	1.02	10.1	0.391	370	375
50	19/1.78	8.9	1.4	1.27	12.0	0.270	355	505
70	19/2.14	10.7	1.4	1.27	13.9	0.195	320	710
95	19/2.52	12.6	1.4	1.27	15.8	0.154	290	970
120	37/2.03	14.21	1.65	1.47	17.9	0.126	280	1225
150	37/2.25	15.75	1.65	1.47	19.4	0.100	255	1485
185	37/2.52	17.64	1.65	1.47	21.3	0.0762	225	1845
240	61/2.25	20.25	1.65	1.47	23.9	0.0607	205	2445
300	61/2.52	22.68	2.03	1.83	27.1	0.0475	220	3090

■ 0.6/1kV XHHW/SIS (Class 5)

Sectional Area mm ²	Conducto		Nominal Insulation Thickness mm		Approx. Overall Diameter mm	Maximum Conductor Resistance at. 20℃ Ω/km	Minimum Insulation Resistance at. 15℃ MΩ/km	Approx. Weight kg/km
	Construction Max. Dia. mm	Approx. Overall Diameter Approx. mm						
			Average	Minimum				
1.5	0.26	1.58	0.76	0.69	3.4	13.7	910	25
2.5	0.26	2.04	0.76	0.69	3.9	8.21	815	40
4	0.31	2.59	0.76	0.69	4.4	5.09	685	55
6	0.31	3.17	0.76	0.69	5.0	3.39	565	75
10	0.41	4.73	1.14	1.02	7.3	1.95	650	125
16	0.41	5.88	1.14	1.02	8.4	1.24	454	180
25	0.41	7.32	1.14	1.02	9.9	0.795	445	270
35	0.41	8.72	1.14	1.02	11.3	0.565	370	370
50	0.41	10.6	1.4	1.27	13.8	0.393	355	535
70	0.51	12.53	1.4	1.27	15.7	0.277	320	740
95	0.51	14.45	1.4	1.27	18.0	0.210	290	960
120	0.51	16.3	1.65	1.47	20.0	0.164	280	1230
150	0.51	18.25	1.65	1.47	21.9	0.132	255	1510
185	0.51	20.23	1.65	1.47	23.9	0.108	225	1830
240	0.51	23.17	1.65	1.47	26.8	0.0817	205	2395
300	0.51	26.13	2.03	1.83	30.6	0.0654	220	3060

Building Wire(Type THW)

UL83

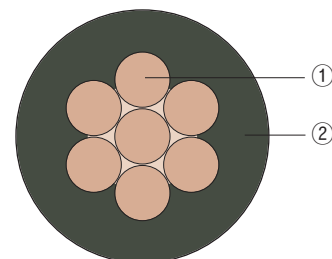
600V THW

VOLTAGE RATING : 600V

CONDUCTOR TEMPERATURE : 75°C (167 F)

DESCRIPTION : Solid or stranded, plain annealed copper conductor
600V Class TW (moisture-resistant PVC) insulation,
finish lubrication.

SPECIFICATION : UL83



① 도체 ①Conductor

② 절연체 ②Insulation

Solid Conductor

Conductor		Insulation Thickness mm	Approx. Overall Diameter mm	Approx. Weight kg/km
AWG	Approx. Diameter mm			
14	1.63	0.76	3.3	30
12	2.05	0.76	3.7	40
10	2.59	0.76	4.2	60
8	3.26	1.14	5.7	100

Stranded Conductor

Conductor			Insulation Thickness mm	Approx. Overall Diameter mm	Approx. Weight kg/km
AWG or MCM	NO. and Dia. of Wire No./mm	Approx. Diameter mm			
14	7/0.62	1.86	0.76	3.5	30
12	7/0.78	2.34	0.76	4.0	45
10	7/0.98	2.94	0.76	4.5	65
8	7/1.23	3.69	1.14	6.1	105
6	7/1.56	4.68	1.52	7.9	170
4	7/1.96	5.88	1.52	9.1	250
2	7/2.47	7.41	1.52	10.7	380
1	19/1.69	8.45	2.03	12.8	495
1/0	19/1.89	9.45	2.03	13.8	605
2/0	19/2.13	10.6	2.03	15.0	750
3/0	19/2.39	11.9	2.03	16.3	925
4/0	19/2.68	13.4	2.03	17.7	1,140
250	37/2.09	14.6	2.41	19.8	1,360
300	37/2.29	16.0	2.41	21.2	1,610
350	37/2.47	17.3	2.41	22.4	1,855
400	37/2.64	18.5	2.41	23.6	2,100
500	37/2.95	20.7	2.41	25.8	2,590
600	61/2.52	22.7	2.79	28.6	3,190
1,000	61/3.25	29.3	2.79	35.2	5,170

Building Wire(Type XHHW)

UL 44

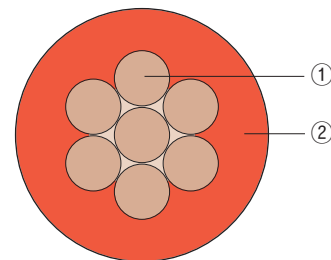
600V XHHW

VOLTAGE RATING : 600V

MAXIMUM CONDUCTOR TEMPERATURE : 90°C in dry locations and
75°C in wet locations.

DESCRIPTION: Solid or stranded, plain annealed copper
conductor(No.14AWG and larger) 600V Class
XHHW (600V Flame resistant XLPE insulated
Wire) insulation.

SPECIFICATION: UL 44



① 도체 ① Conductor

② 절연체 ② Insulation

Solid Conductor

Conductor		Insulation Thickness mm	Approx. Overall Diameter mm	Approx. Weight kg/km
AWG	Approx. Diameter mm			
14	1.63	0.76	3.2	30
12	2.05	0.76	3.6	40
10	2.59	0.76	4.1	60

Stranded Conductor

Conductor			Insulation Thickness mm	Approx. Overall Diameter mm	Approx. Weight kg/km
AWG or MCM	NO. and Dia. of Wire No./mm	Approx. Diameter mm			
14	7/0.62	1.85	0.76	3.4	30
12	7/0.78	2.34	0.76	3.9	40
10	7/0.98	2.95	0.76	4.5	60
8	7/1.23	3.70	1.14	6.0	100
6	7/1.56	4.67	1.14	7.2	150
4	7/1.96	5.88	1.14	8.5	230
2	7/2.47	7.42	1.14	10.0	350
1	19/1.69	8.43	1.40	11.6	450
1/0	19/1.89	9.46	1.40	12.6	550
2/0	19/2.13	10.6	1.40	13.8	690
3/0	19/2.39	11.9	1.40	15.1	860
4/0	19/2.68	13.4	1.40	16.6	1,070
250	37/2.09	14.6	1.65	18.3	1,270
300	37/2.29	16.0	1.65	19.7	1,510
350	37/2.47	17.3	1.65	21.0	1,750
400	37/2.64	18.5	1.65	22.2	1,990
450	37/2.80	19.6	1.65	23.3	2,250
500	37/2.95	20.7	1.65	24.4	2,460
600	61/2.52	22.7	2.03	27.3	3,030
700	61/2.72	24.5	2.03	29.1	3,510
750	61/2.82	25.3	2.03	29.9	3,730
800	61/2.91	26.2	2.03	30.8	3,990
900	61/3.09	27.8	2.03	32.4	4,480
1,000	61/3.25	29.3	2.03	34.0	4,930

옥외용 비닐절연전선

ES 124-020 ~ 084

Outdoor Weather Proof PVC Insulated Wire(600V OW)

저압 가공전선로에 사용되며 전기용 경동선을 도체로 하여 PVC로 피복한 절연전선으로 종전의 면 절연전선보다 내후성 및 내구성이 우수하다.

It is used for overhead low-voltage distribution line and composed of hard-drawn copper wire and PVC insulation.

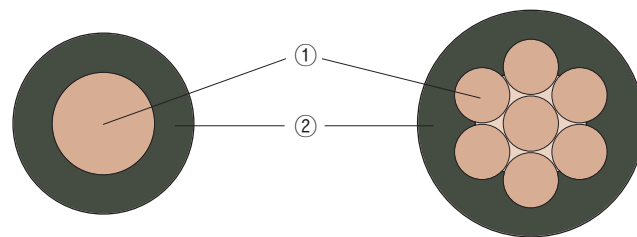
It is superior to conventional cotton insulated wire and highly weather proof and safe use over a long period is assured.

■ 구 조

1. 도 체 : 전기용 경동선
2. 절 연 체 : PVC
3. 절연체 색상 : 흑색

■ Construction

1. Conductor : Hard-drawn copper wire
2. Insulation : PVC
3. Color of Insulation : Black



단선 도체
Solid Conductor

연선 도체
Stranded Conductor

- ① 도 체 ① Conductor
② 절연체 ② Insulation

■ 단선도체 Solid Conductor

Conductor		P.V.C Insulation Thickness mm	Approx. Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/Km	Test Voltage V/1mim	Tensile Load kgf	Approx. Weight kg/km	Standard Length m
Diameter mm	Sectionl Area mm²							
2.0	3.142	0.4	2.8	5.83	3,000	134.0	32	300
2.6	5.309	0.5	3.6	3.45	3,000	223.2	54	300
3.2	8.042	0.6	4.4	2.28	3,000	333.0	81	200
4.0	12.57	1.0	6.0	1.46	3,000	499.1	135	200
5.0	19.64	1.2	7.4	0.932	3,000	759.8	210	200

■ 연선도체 Stranded Conductor

Conductor			PVC Insulation Thickness mm	Approx. Overall Diameter mm	Max. Condctor Resistance at 20℃ Ω/km	Test Voltage V/1min.	Tensile Load kgf	Approx. Weight kg/km	Standard Length m
Nominal Sectional Area mm²	Number& Diameter of Wire No./mm	Outer Diameter mm							
14	7/1.6	4.8	1.0	6.8	1.35	3,000	574	160	300
22	7/2.0	6.0	1.2	8.4	0.849	3,000	889	250	300
30	7/2.3	6.9	1.2	9.3	0.642	3,000	1,160	320	300
38	7/2.6	7.8	1.4	11.0	0.502	3,000	1,480	410	300
50	19/1.8	9.0	1.4	12.0	0.394	3,000	1,960	520	300
60	19/2.0	10.0	1.4	13.0	0.313	3,000	2,410	630	300
80	19/2.3	11.5	1.5	14.5	0.237	3,000	3,160	820	300
100	19/2.6	13.0	1.5	16.0	0.185	3,000	4,010	1,030	300

알루미늄 가교 폴리에틸렌 절연 전선

한전구매 시방서

Aluminium Conductor Cross-linked Polyethylene Insulated Wire

(특)고압 가공 전선로에 사용한다.

This wire is used for high voltage overhead transmission lines.

■ 구 조

1. 도 체 : 전기용 경알루미늄선, 강심 알루미늄연선, 알루미늄 피복강심 알루미늄연선
2. 절 연 체 : XLPE
3. 절연체색 : 흑색

■ Construction

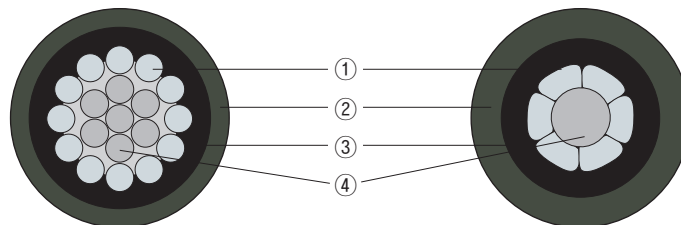
1. Conductor : Hard-drawn aluminium wire or Aluminium stranded conductors steel reinforced or Aluminium Stranded Conductors Aluminium clad steel Wire reinforced
2. Insulation : XLPE
3. Colour of the Insulation : Black

■ 3개연 Triplex(DV-3R)

종 류	기 호
고압 강심 알루미늄 절연전선	6.6kV ACSR-OC
특고압 강심 알루미늄 절연전선	22.9kV-y ACSR-OC
고압 경 알루미늄 절연전선	6.6kV HAL-OC
특고압 경 알루미늄 절연전선	22.9kV-y HAL-OC
고압 알루미늄 피복강심 알루미늄 절연전선	6.6kV ACSR/AW-OC
특고압 알루미늄 피복 강심 알루미늄 절연전선	22.9kV ACSR/AW-OC

■ Classes and Symbols

No. of cores	색
ACSP Outdoor XLPE Insulated Wire for 6.6KV	6.6kV ACSR-OC
ACSR Outdoor XLPE Insulated Wire for 22.9KV-Y	22.9kV-Y ACSR-OC
HAL Outdoor XLPE Insulated Wire for 6.6KV	6.6kV HAL-OC
HAL Outdoor XLPE Insulated Wire for 22.9KV-Y	22.9kV-Y HAL-OC
ACSR/AW Outdoor XLPE Insulated Wire for 6.6KV	6.6kV ACSR/AW-OC
ACSR/AW Outdoor XLPE Insulated Wire for 22.9KV	22.9kV ACSR/AW-OC



① 도체

② 절 연 체

③ 반도체층

④ 아연도금강선 또는 AL 복강선

① Conductor

② Insulation

③ Semi-conducting layer

④ Zinc-coated steel Wire or Aluminium clad steel wire

■ 강심알루미늄절연전선 (ACSR-OC)

Voltage Grade	Conductor			Insulation Thickness mm	Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Test Voltage kV/1min.	Tensile Load at break kgf	Approx. Weight kg/km	Min. Insulation Resistance at 20℃ MΩ · km	Standard length m	
	Nominal Sectional Area mm ²	NO. & dia. oc wire or shape										Outer Diameter mm
		Al	St									
6.6kV	32	6/SB	1/2.6	7.2	2.0	11.2	0.928	12	1,090	185	1,500	900
	58	6/SB	1/3.5	9.7	2.5	14.7	0.512	12	1,900	325	1,500	600
	95	6/SB	1/3.5	12.0	2.5	17.0	0.313	12	2,360	455	1,000	300
22.9kV	32	6/SB	1/2.6	7.2	3.0	13.2	0.928	25	1,090	215	2,000	900
	58	6/SB	1/3.5	9.7	3.0	15.7	0.512	25	1,900	340	1,500	600
	95	6/SB	1/3.5	12.0	3.5	19.0	0.313	25	2,360	540	1,500	600
	160	18/SB	1/3.2	15.4	4.0	23.4	0.186	25	3,080	740	1,500	600

■ 강심알루미늄절연전선 (HAL-OC)

Voltage Grade	Conductor			Insulation Thickness mm	Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Test Voltage kV/1min.	Tensile Load at break kgf	Approx. Weight kg/km	Min. Insulation Resistance at 20℃ MΩ · km	Standard length m
	Nominal Sectional Area mm ²	Number & Diameter of Wire No./mm	Outer Diameter mm								
6.6kV	150	19/3.2	16.0	2.5	21.0	0.193	12	2,270	600	1,000	300
22.9kV	150	19/3.2	16.0	4.0	24.0	0.193	25	2,270	650	1,500	600

■ 알루미늄피복강심 알루미늄절연전선 (ACSR/AW-OC)

Voltage Grade	Conductor			Insulation Thickness mm	Overall Diameter mm	Max. Conductor Resistance at 20℃ Ω/km	Test Voltage kV/1min.	Tensile Load at break kgf	Approx. Weight kg/km	Min. Insulation Resistance at 20℃ MΩ · km	Standard length m	
	Nominal Sectional Area mm ²	NO. & dia. oc wire or shape										Outer Diameter mm
		Al	St									
6.6kV	32	6/SB	1/2.6	7.2	2.0	11.2	0.877	12	1,090	180	1,500	900
	58	6/SB	1/3.5	9.7	2.5	14.7	0.484	12	1,900	315	1,500	600
	95	6/SB	1/3.5	12.0	2.5	17.0	0.302	12	2,360	445	1,000	300
22.9kV	32	6/SB	1/2.6	7.2	3.0	13.2	0.877	25	1,090	210	2,000	900
	58	6/SB	1/3.5	9.7	3.0	15.7	0.484	25	1,900	330	1,500	600
	95	6/SB	1/3.5	12.0	3.5	19.0	0.302	25	2,360	530	1,500	600
	160	18/SB	1/3.2	15.4	4.0	23.4	0.183	25	3,080	730	1,500	600

Underground Service Entrance Cable(Type USE-2) UL 44 & 854

600V USE-2/RHW-2

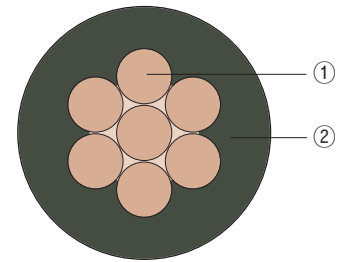
■ VOLTAGE RATING : 600V

MAXIMUM CONDUCTOR TEMPERATURE : 90°C wet or dry location

DESCRIPTION: Solid or s stranded, copper conductor 600V Class

USE-2/RHW-2 (600V FR-XLPE insulated Wire)
insulation

SPECIFICATION: UL44 & UL854



①도체

① Conductor

②절연체

② Insulation

■ Solid Conductorn

Conductor		Insulation Thickness mm	Overall Diameter mm	Approx. Weight kg · km
AWG	Approx. Diameter mm			
14	1.63	1.14	4.3	30
12	2.05	1.14	4.7	43
10	2.59	1.14	5.2	62
8	3.26	1.52	6.7	100

■ Stranded Conductorn

Conductor			Insulation Thickness mm	Overall Diameter mm	Approx. Weight kg · km
AWG or MCM	NO. and Dia. of Wire No./mm	Approx. Diameter mm			
14	7/0.62	1.85	1.14	4.5	32
12	7/0.78	2.34	1.14	5.0	45
10	7/0.98	2.95	1.14	5.6	65
8	7/1.23	3.70	1.52	7.2	105
6	7/1.56	4.67	1.52	8.2	155
4	7/1.96	5.88	1.52	9.4	230
2	7/2.47	7.42	1.52	11.0	350
1	19/1.69	8.43	2.03	13.0	460
1/0	19/1.89	9.46	2.03	14.0	560
2/0	19/2.13	10.6	2.03	15.2	700
3/0	19/2.39	11.9	2.03	16.5	865
4/0	19/2.68	13.4	2.03	18.0	1075
250	37/2.09	14.6	2.41	20.0	1290
300	37/2.29	16.0	2.41	21.5	1530