



Daeil Electric Wires Co.,Ltd

2024





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About Company

- Introduction
- Business Overview
- History
- Financial Status
- Certifications

Power Cable Business Challenge in the 1960's, a Barren Land of Industrial Infrastructure



Founder



Founder . 1st President

Major Career

Park Chang Wook

- (Ex) CEO, Daeil Electric Wire Cable Co.,Ltd
- (Ex) President, Daeil Electric Wire Cable Co.,Ltd
- (Ex) 6th Chairman of the Board, KEWIC
(Korea Electric Wire Industry Cooperative)
- (Ex) 7th Chairman of the Board, KEWIC
(Korea Electric Wire Industry Cooperative)

Establishment Ideology

創意努力 • 事業報國

Contribute to the country through business

About Company _ Business Overview

The succession of the family business that inherited the spirit of the founder

Business Overview

Name of the Corporation

Daeil Electric Wires Co., Ltd

CEO

Park Kwon Joon

Date of Establishment

7. 7. 1970

Head Office

227, Gwanchanggongdan-gil, Jugyo-myeon, Boryeong-si, Chungcheongnam-do, Republic of Korea

Locations

- Seoul Office : 190, Yulgok-ro, Jongno-gu, Seoul, Republic of Korea
Office # 106
- 1st Factory (Head office) : 227, Gwanchanggongdan-gil, Jugyo-myeon, Boryeong-si, Chungcheongnam-do, Republic of Korea
- 2nd Factory : 25, Mongnae-ro 122beon-gil, Danwon-gu, Ansan-si, Gyeonggi-do, Republic of Korea

Number of Employees

48 Employees (01.Jan. 2024)

CEO



CEO

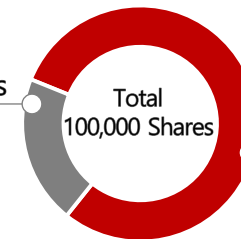
Park Kwon Joon

Major Career

- 1984 Join Daeil Electric Wires Co., Ltd
- 1998 Appointed as CEO

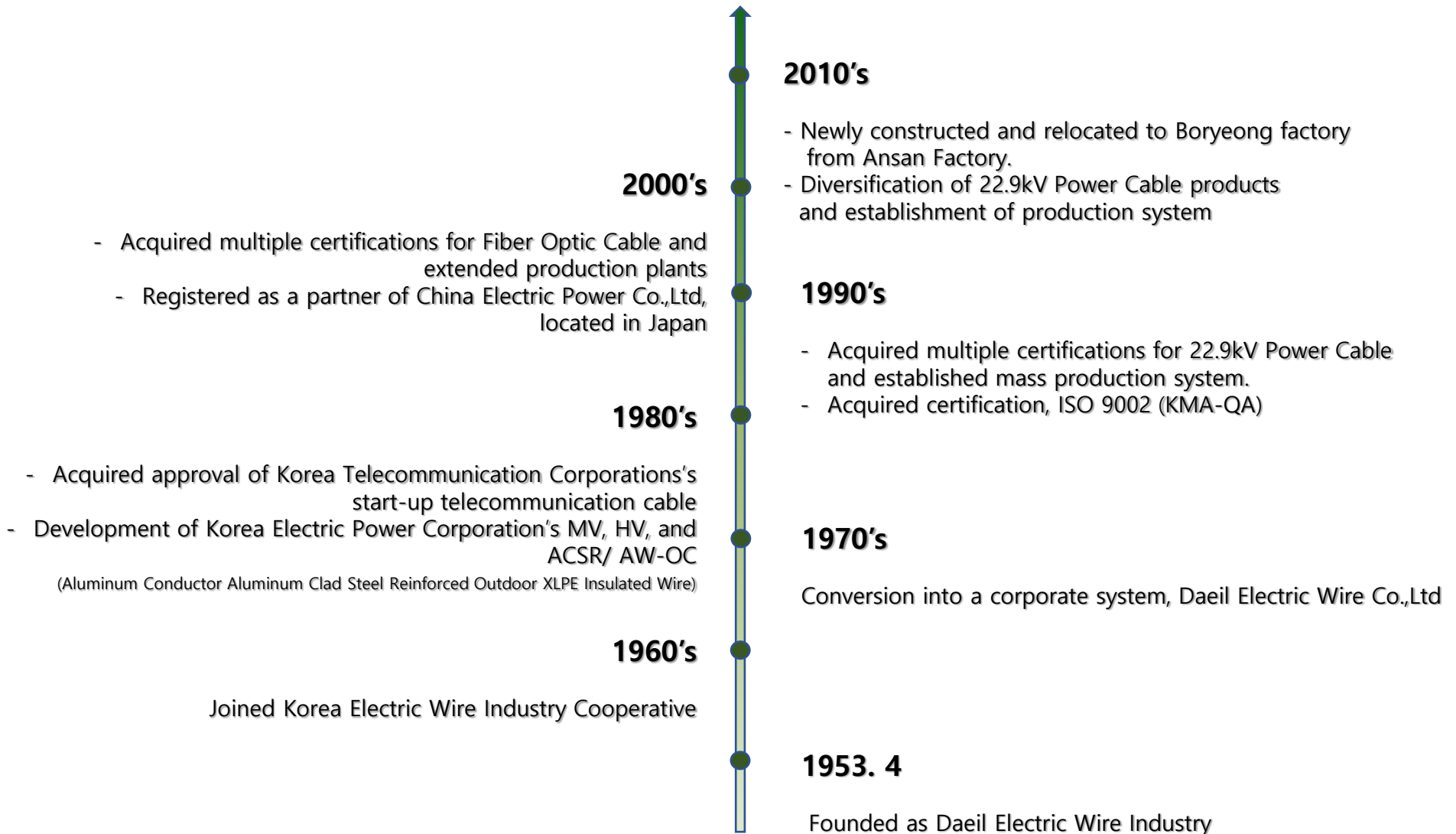
Status of Major Shareholder (Jan. 2024)

Family Shareholders
26,124 Shares
(26.12%)



CEO (Park Kwon Joon)
73,876 Shares
(73.88%)

Daeil Electric Wire Co.,Ltd with the growth of Korean Industry



Maintaining financial stability with a debt-to-equity ratio of **40%**

(Unit : \$100)

		The 53 rd Term (2023)	The 52 nd Term (2022)	The 51 st Term (2021)
Assets	Current Assets	28,576	35,866	36,159
	Non-Current Assets	74,396	83,205	88,413
	Total Assets	102,972	119,071	124,573
Liabilities	Current Liabilities	15,933	30,543	20,670
	Non-Current Liabilities	13,405	11,465	21,896
	Total Liabilities	29,339	42,003	42,567
Capital	Capital	3,742	3,742	3,742
	Other Capital	69,875	73,308	78,265
	Total Capital	73,617	77,050	82,006

International Certification

- ISO 9001 :2015

K Certification (Korea) Certifications

- KSC 3103 (WOAS)
- KSC 3104 (WOHS(H) / WOHS(PH))
- KSC 3113 (ACSR)
- KS IEC 60502-1
- KS IEC 60502-2
- KSC 3313 (OW)

Korea Electric Power Corporation (KEPCO) Certifications

- ES-6145-0005
- ES-6145-0020
- ESB 121-200~202
- ESB 121-230~275
- ES-6145-0006
- ESB 124-390~883
- ES-6145-0019
- 121-311-316
- RS 126-665~668
- ES-6145-0025
- ES-6145-0021
- GS-6145-0038
- RS-6145-0035
- ES-6145-0035
- ES-6145-0068

Optic fiber cable and Communication cable Certifications

- KT 6145-3289-0-0-7† (FS-LP-(A/B/O))
- KT 6145-3282-0-0-7† (JF-LP-(O))
- KT 6145-3269-0-DI (M10CN / PCM)
- Communication Cable 6145-3262-7† (Nylon Jumper)
- S41003SE02 (Optic Fiber Cable, Long-wavelength)
- T410031102 (Optic Fiber Cable, Long-wavelength)

Facilities (Major)

- Production Facilities
- QC Facilities

Drawing Machine



Name	Key Specifications (Performance)	Manufacturer
CU 17 Dies	0.3mm ~ 1.6mm	NIEHOFF
CU11 Dies	1.6mm ~ 3.9mm	SHOWA MACHINERY
AL 9 Dies	2.6mm ~ 4.9mm	SHINIL MACHINERY
AL 11 Dies	1.6mm ~ 3.2mm	SHINIL MACHINERY

Stranding Machine



Name	Key Specifications (Performance)	Manufacturer
60 B/N	Max 600sq	Hefei Smarter
54 B/N	Max 600sq	DONGGUK MACHINERY
18 B/N	Max 240sq	POURTIER
Tubular 1	14sq ~ 58sq	SUNJIN MACHINERY
Tubular 2	14sq ~ 58sq	SUNJIN MACHINERY
60 B/N (In Production)	Max 600sq	HEFEI SMARTER
Tubular (In Production)	14sq ~ 95sq	HEFEI SMARTER

Extruder Line



Name	Key Specifications (Performance)	Manufacturer
CCV 1호	CCV Line 3 Tandem (22.9kV 600sq (Cu))	SHINIL MACHINERY
CCV 2호	CCV Line 3 Tandem (22.9kV 325sq (Cu))	QUINGDAO FUZHEN
150MM	Concentric Neutral Line, Sheath 22.9kv 600sq (3tandem 고압절연) - Extrusion Amount: 500Kg/hr - Diameter: 100mm(Max)	KOBE STEEL
120MM	- Extrusion Amount : 400kg/hr - Diameter : 85mm (Max)	SHINIL MACHINERY

QC Test System



Name	Key Specifications (Performance)	Manufacturer
PD (1) TEST SYSTEM	AC 5000KVA/250KV	DIELEC
PD (2) TEST SYSTEM	AC 1800KVA/120KV	DIELEC
DESTRUCTION TEST SYSTEM	AC 200KVA/300KV AC Test System	DIELEC
IMPULSE VOLTAGE TEST SYSTEM	Impulse Volt Generator (Max 300Kv 75KJ)	DIELEC

Products (Major)

Products (Major)

Power Cable

Aerial Cable

Power Cable (Major production)



1. Annealed Copper Wire
2. Conductor Screen
3. Insulation: TR-XLPE or XLPE
4. Insulation Screen
5. Semi-Conducting Water-Blocking Tape
6. Concentric Copper Wire (annealed)
7. Non-conducting Water-Blocking Tape (up to customer needs)
8. Sheath : PE, PVC, HFPO

- 22.9kV Concentric Neutral Type XLPE Insulated Power Cable (Cu)

- **Applicatoin** : To be used for direct or multi-grounding distribution of 22.9kV-y, Outside of building
- **Construction** :
This product is a power cable with XLPE insulation of stranded copper conductor filled with waterproof compound, swellable tape winded on the upper and lower parts of neutral cable made of annealed copper wires attached with twisting in concentric circle, and PVC sheath.



1. Aluminum (Compressed)
2. Conductor Screen
3. Insulation: TR-XLPE or XLPE
4. Insulation Screen
5. Semi-Conducting Water-Blocking Tape
6. Concentric Copper Wire (annealed)
7. Non-conducting Water-Blocking Tape (up to customer needs)
8. Sheath : PE, PVC, HFPO

- 22.9kV Concentric Neutral Type XLPE Insulated Power Cable (AL)

- **Applicatoin** : To be used for direct or multi-grounding distribution of 22.9kV-y, Outside of building
- **Construction** :
This product is a power cable with XLPE insulation of stranded compressed aluminum conductor filled with waterproof compound, swellable tape winded on the upper and lower parts of neutral cable made of annealed copper wires attached with twisting in concentric circle, and PVC sheath.

Types and Symbol

- 22.9kV Concentric Neutral Type XLPE Insulated Power Cable (Cu)

Type	Symbol	Certified Specifications	Cable Type
22.9kV Watertight Concentric Neutral Conductor Cable	22.9kV TR CNCV-W	60sq	22.9kV Concentric Neutral Type Tree Retardant XLPE Insulated PVC Sheathed Water-proof Power Cable
22.9kV Water Tree Control Electricity Cable	22.9kV TR CNCE-W	200sq	22.9kV Concentric Neutral Type Water Tree Retardant XLPE Extruded-to-Fill PE Jacketed Water-proof Power Cable
22.9kV Water Tree Concentric Neutral Conductor Cable	22.9kV FR CNCO-W	325sq	22.9kV Concentric Neutral Type Water Tree Retardant XLPE Insulated Halogen Free Polyolefin Jacketed Water-proof Power Cable

- 22.9kV Concentric Neutral Type XLPE Insulated Power Cable (AL)

Type	Symbol	Certified Specifications	Cable Type
22.9kV Tree Control Type Electricity Cable	22.9kV FR CNCO-W/AL	95sq	22.9kV Concentric Neutral Type Water Tree Retardant XLPE Insulated Halogen Free Polyolefin Jacketed Water-proof Aluminum Power Cable
22.9kV Water Tree Control Aluminum Electricity Cable	22.9kV TR CNCE-W/AL	400sq	22.9kV Concentric Neutral Type Water Tree Retardant XLPE Extruded-to-Fill PE Jacketed Water-proof Aluminum Power Cable

Products (Major)_Power Cable

- 22.9kV Concentric Neutral Type XLPE Insulated Power Cable (Cu)

22.9kV TR CNCV-W

도체 Conductor			절연두께 Nominal Insulation Thickness	피복두께 Nominal Sheath Thickness	완성외경 Overall Diameter	도체저항 Max. Conductor Resistance at 20°C	절연저항 Min. Insulation Resistance at 20°C	시험전압 Test Voltage	개산중량 Approx. Weight
공칭단면적 Nominal Sectional Area	구성 Construction	외경 Outer Diameter							
mm ²	mm	mm	mm	mm	mm	Ω/km	Ω/km	kV/5min	kg/km
60	C.C	9.3	6.6	3.0	37.0	0.305	3,000	52	1,530
200	C.C	17.0	6.6	3.0	46.0	0.0915	2,000	52	3,500
325	C.C	21.7	6.6	3.0	52.0	0.0568	2,000	52	5,240
600	C.C	29.5	6.6	4.0	62.0	0.0308	1,500	52	8,300

22.9kV TR CNCE-W

도체 Conductor			절연두께 Nominal Insulation Thickness	피복두께 Nominal Sheath Thickness	완성외경 Overall Diameter	도체저항 Max. Conductor Resistance at 20°C	절연저항 Min. Insulation Resistance at 20°C	시험전압 Test Voltage	개산중량 Approx. Weight
공칭단면적 Nominal Sectional Area	구성 Construction	외경 Outer Diameter							
mm ²	mm	mm	mm	mm	mm	Ω/km	Ω/km	kV/5min	kg/km
60	C.C	9.3	6.8	1.5	35.0	0.305	3,000	52	1,392
200	C.C	17.0	6.8	1.5	45.0	0.0915	2,000	52	3,415
325	C.C	21.7	6.8	2.4	53.0	0.0568	2,000	52	5,218
600	C.C	29.5	6.8	2.4	62.0	0.0308	1,500	52	8,220

-22.9kV Concentric Neutral Type XLPE Insulated Power Cable (AL)

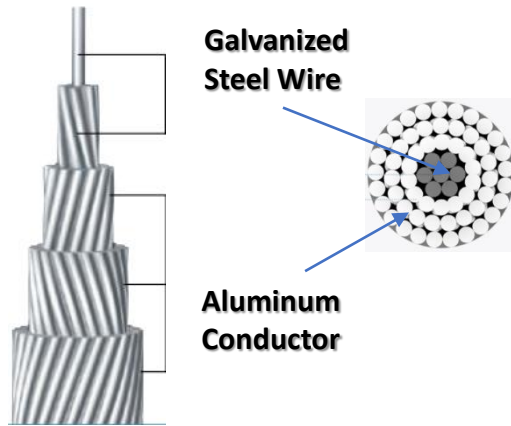
22.9kV FR CNCO-W/AL

도체 Conductor			절연두께 Nominal Insulation Thickness	피복두께 Nominal Sheath Thickness	완성외경 Overall Diameter	도체저항 Max. Conductor Resistance at 20°C	절연저항 Min. Insulation Resistance at 20°C	시험전압 Test Voltage	개산중량 Approx. Weight
공칭단면적 Nominal Sectional Area	구성 Construction	외경 Outer Diameter							
mm ²	mm	mm	mm	mm	mm	Ω/km	Ω/km	kV/5min	kg/km
95	C.C	11.4	6.8	2.2	37.6	0.320	3000	52	1,300
240	C.C	18.3	6.8	3.0	48.4	0.125	2000	52	2,430
400	C.C	23.2	6.8	3.0	53.5	0.0778	2000	52	3,370

22.9kV TR CNCE-W/AL

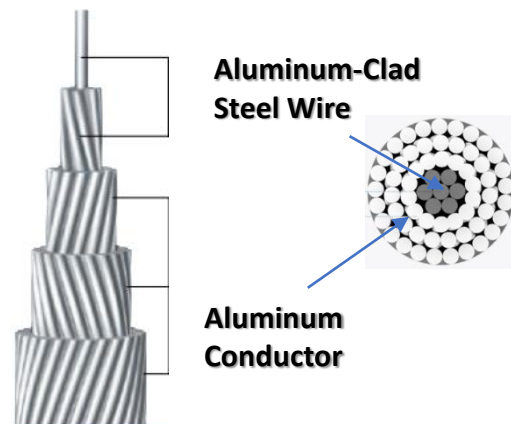
도체 Conductor			절연두께 Nominal Insulation Thickness	피복두께 Nominal Sheath Thickness	완성외경 Overall Diameter	도체저항 Max. Conductor Resistance at 20°C	절연저항 Min. Insulation Resistance at 20°C	시험전압 Test Voltage	개산중량 Approx. Weight
공칭단면적 Nominal Sectional Area	구성 Construction	외경 Outer Diameter							
mm ²	mm	mm	mm	mm	mm	Ω/km	Ω/km	kV/5min	kg/km
95	C.C	11.4	6.8	1.5	35.0	0.320	3000	52	1,330
240	C.C	18.3	6.8	1.5	44.0	0.125	2000	52	2,550
400	C.C	23.2	6.8	2.4	51.0	0.0778	2000	52	3,490

Aerial Wire (Major Production)



- ACSR (Aluminum Conductors, Steel Reinforced-Galvanized Steel Wires)

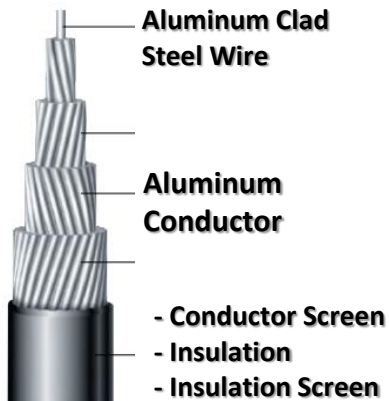
- Application :
This consists of aluminum stranded conductors and steel reinforced which could withstand high tensile load to be used mainly for overhead transmission lines, and overhead distribution lines.
- Construction :
The center wire or wires are of galvanized steel and the outer layers or layers of aluminum.
- Standard : KS C 3113, JIS C 3110



- ACSR / AW (Aluminum Conductors, Aluminum-clad Steel Reinforced)

- Application :
This covers aluminum stranded conductors and aluminum-clad steel reinforced which could withstand high tensile load to be used mainly for overhead transmission lines, and overhead distribution lines.
- Construction :
The center wire or wires are of aluminum-clad steel and the outer layer or layers of aluminum.
- Standard : KEPCO (ES-6145-0020)

Aerial Wire (Major Production)



- 22.9kV Aluminum Conductor Aluminum Clad Steel Reinforced Outdoor XLPE Insulated Wire (ACSR/TR-OC)

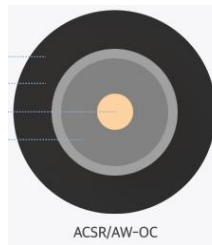
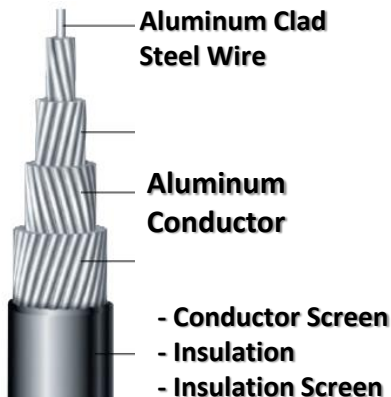
- Usage :

This standard covers ACSR/AW-OC (for use in 6,600~22,900) volts circuits)
To be used weather-resistant insulation wire for the distribution of electrical energy under the normal conditions of overhead line service

- Construction :

1. **Seal Wire** : Aluminum-Sheathed Stranded Wire (AW)
2. **Conductor** : Stranded aluminum cable
3. **Conductor screen** : Semi-Conductor thermosetting compound (BK)
4. **Insulator** : Weather-resistant cross-linked polyethylene (XLPE)
5. **Insulator screen** : Semi-Conductor thermosetting compound (BK)

- Standard : ES-6145-0021



- 22.9kV Aluminum Conductor Aluminum Clad Steel Reinforced Weather-resistant Insulation Wire(ACSR/OC)

- Usage :

For use in 6,600~22,900) volts circuits
To be used weather-resistant insulation wire for the distribution of electrical energy under the normal conditions of overhead line service

- Construction :

1. **Seal Wire** : Aluminum-Sheathed Stranded Wire (AW)
2. **Conductor** : Stranded aluminum cable
3. **Conductor screen** : Semi-conductor thermosetting compound (BK)
4. **Insulator** : Weather resistant cross-linked polyethylene (BK)

- Standard : ES-6145-0021

Products (Major)_Aerial Wire

ACSR

(Aluminum Conductors, Steel Reinforced-Galvanized Steel Wires)

공칭단면적 Nominal Sectional Area	소선수/지름 Number & Diameter of Wire		계산단면적 Calculated Sectional Area		완성외경 Overall Diameter		계산중량 Approx. Weight	도체저항 Max. Conductor Resistance at 20°C	인장하중 Min. Tensile Load	표준길이 Standard Length
	mm		mm ²		mm					
mm ²	Al	St	Al	St	Al	St	kg/km	Ω/km	kN(kgf)	m
32	6/2.6	1/2.6	31.85	5.309	7.8	2.6	128.6	0.899	11(1,140)	600
58	6/3.5	1/3.5	57.73	9.621	10.5	3.5	233.1	0.497	19(1,980)	600
95	6/4.5	1/4.5	95.4	15.90	13.5	4.5	385.2	0.301	31(3,180)	600
97	12/3.2	7/3.2	96.51	56.29	16.0	9.6	706.8	0.2891	104(10,600)	후문길이
120	12/3.5	7/3.5	115.45	67.35	17.5	10.5	845.6	0.2497	94(9,590)	후문길이
160	30/2.6	7/2.6	159.3	37.16	18.2	7.8	732.8	0.182	69(6,990)	1000(2000)
240	30/3.2	7/3.2	241.3	56.29	22.4	9.6	1,110	0.120	100(10,210)	후문길이
330	26/4.0	7/3.1	326.8	52.84	25.3	9.3	1,320	0.0888	107(10,930)	후문길이
410	26/4.5	7/3.5	413.4	67.35	28.5	10.5	1,673	0.0702	136(13,890)	후문길이
480(R)	45/3.7	7/2.47	483.84	33.54	29.61	7.41	1,599	0.05994	116(11,800)	후문길이
480(C)	54/3.38	7/3.38	484.5	62.81	30.42	10.14	1,836	0.05990	150(15,340)	후문길이
520	54/3.5	7/3.5	519.5	67.35	31.50	10.50	1,969	0.05996	153(15,600)	후문길이

ACSR / AW

(Aluminum Conductors, Aluminum-clad Steel Reinforced)

공칭단면적 Nominal Sectional Area	소선수/지름 Number & Diameter of Wire		계산단면적 Calculated Sectional Area		완성외경 Overall Diameter		계산중량 Approx. Weight	도체저항 Max. Conductor Resistance at 20°C	인장하중 Min. Tensile Load	표준길이 Standard Length
	mm		mm ²		mm					
mm ²	Al	St	Al	St	Al	St	kg/km	Ω/km	kN(kgf)	m
32	6/2.6	1/2.6	31.85	5.309	7.8	2.6	122.2	0.892	11(1,140)	1000
58	6/3.5	1/3.5	57.73	9.621	10.5	3.5	221.5	0.471	19(1,980)	1000
65	12/2.6	7/2.6	63.71	37.17	13	7.8	421.4	0.3775	54(5,500)	1,000(2,000)
95	6/4.5	1/4.5	95.4	15.90	13.5	4.5	366.1	0.2848	31(3,180)	1,000(2,000)
97	12/3.2	7/3.2	96.51	56.29	16.0	9.6	638.4	0.2492	104(10,600)	후문길이
120	12/3.5	7/3.5	115.45	67.35	17.5	10.5	763.7	0.2086	94(9,590)	후문길이
160	30/2.6	7/2.6	159.3	37.16	18.2	7.8	687.8	0.169	69(6,990)	1,000(2,000)
240	30/3.2	7/3.2	241.3	56.29	22.4	9.6	1,042	0.111	100(10,210)	후문길이
330	26/4.0	7/3.1	326.8	52.84	25.3	9.3	1,255	0.0842	107(10,930)	후문길이
410	26/4.5	7/3.5	413.4	67.35	28.5	10.5	1,592	0.0666	136(13,890)	후문길이
480(R)	45/3.7	7/2.47	483.84	33.54	29.61	7.41	1,564	0.0586	116(11,800)	후문길이
480(C)	54/3.38	7/3.38	484.5	62.81	30.42	10.14	1,760	0.0574	150(15,340)	후문길이
520	54/3.5	7/3.5	519.5	67.35	31.50	10.50	1,887	0.0536	153(15,600)	후문길이

ACSR/TR-OC

(22.9kV Aluminum Conductor Aluminum Clad Steel Reinforced Outdoor XLPE Insulated Wire)

공칭단면적 Nominal Sectional Area	도체 Conductor			절연두께 Insulation Thickness	완성외경 Overall Diameter	도체저항 Max. Conductor Resistance at 20°C	절연저항 Min. Insulation Resistance at 20°C	시험전압 Test Voltage	인장하중 Min. Tensile Load	계산중량 Approx. Weight	표준길이 Standard Length
	소선수(AL) Number & Diameter of Wire	소선수(ST) Number & Diameter of Wire	외경 Outer Diameter								
mm ²	mm	mm	mm	mm	mm	Ω/km	Ω/km	kV	kN(kgf)	kg/km	m
58	6/SB	1/3.5	9.7	3.0	15.7	0.484	1,500	25	1,900	360	600
95	6/SB	1/3.5	12.0	3.5	19.0	0.302	1,500	25	2,360	520	600
160	18/SB	1/3.2	15.4	4.0	23.4	0.183	1,500	25	3,080	750	600
240	18/SB	1/4.0	18.9	4.0	27.0	0.123	1,000	25	4,500	1,040	600

ACSR/OC

(22.9kV Aluminum Conductor Aluminum Clad Steel Reinforced Weather-resistant Insulation Wire)

공칭단면적 Nominal Sectional Area	도체 Conductor			절연두께 Insulation Thickness	완성외경 Overall Diameter	도체저항 Max. Conductor Resistance at 20°C	절연저항 Min. Insulation Resistance at 20°C	시험전압 Test Voltage	인장하중 Min. Tensile Load	계산중량 Approx. Weight	표준길이 Standard Length
	소선수(AL) Number & Diameter of Wire	소선수(ST) Number & Diameter of Wire	외경 Outer Diameter								
mm ²	mm	mm	mm	mm	mm	Ω/km	Ω/km	kV	kN(kgf)	kg/km	m
32	6/SB	1/2.6	7.2	3.0	13.2	0.877	2,000	25	10.68(1,090)	210	600, 1000
58	6/SB	1/3.5	9.7	3.0	15.7	0.484	1,500	25	18.62(1,900)	330	600, 1000
95	6/SB	1/3.5	12.0	3.5	19.0	0.302	1,500	25	23.13(2,360)	530	600, 1000
160	18/SB	1/3.2	15.4	4.0	23.4	0.183	1,500	25	30.18(3,080)	730	600, 1000
240	18/SB	1/4.0	18.9	4.0	27.0	0.123	1,000	25	44.10(4,500)	1,040	600, 1000



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