

Since 1964

**KORYO CABLE**



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Power Cable (LV)  
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Power Cable (HV)  
Aerial Cable

## Company Overview

**KORYO**

Established

**1964**

Annual Sales (2025)

**USD 150M**

Production Capacity (Year)

**50,000 ton**

### Company Info

CEO	Yong-ho Jung
KEPCO / OEM Ratio	40%
Export Ratio	15%
Certifications	UL · PSE · TUV · ISO 9001/14001/45001
Global Operations	Korea HQ + Myanmar Subsidiary
Address	126, Hosandong-ro, Dalseo-gu, Daegu

### Main Products

#### Power Cable

LV, MV, HV Power Cable

#### Overhead Line

ACSR/AW TR-OC · ABC · SAC

#### Insulated Wire

Building Wire · HFCO

#### URD

MV-105(XLPE/EPR)

## Company Overview

**KORYO**



### **Korea HQ (1<sup>st</sup> Factory)**

Relocated to Seongseo Industrial Complex, Daegu  
in May 2023



### **Manufacture & Test Facility**

Impulse Voltage Generator / AC Resonant Test System  
CCV Insulation Line · Daegu, Korea



### **Myanmar Subsidiary (2<sup>nd</sup> Factory)**

Established in May 2017  
1st Korean cable manufacturer in Myanmar

## History & Certification

**KORYO**

1964 ~ 1974

**Foundation**

**1964** Founded Koryo Electric Co.

**1968** Joined KEWIC

**1974** KS Mark Obtained

1975 ~ 2008

**Growth**

**1975** Renamed Koryo Cable Co., Ltd.

**1991** Adopted 22.9kV ACSR-OC

**1998** ISO 9001 Certified

**2005** Completed 2nd CCV Line (MV)

**2006** Passed FR CNCO-W / AW-TR/OC Tests

2009 ~

**Global  
Expansion**

**2009** Obtained Japan PSE Mark

**2016** Acquired UL 1072 (XLPE)

**2018** Completed Myanmar Factory

**2023** Moved to New Factory(HQ)

**2023** Operating 3rd CCV 175mm Line (HV)

**2025** Opened High-Voltage Test Laboratory

**2026** Applying UL 1072 (MV-105 EPR)

# History & Certification



## UL 1072

**Certificate of Compliance**

**Certificate Number:** 14-022004-01

**Report Reference:** 650140-200401

**Issue Date:** 2005-07-08

**Product:** MV Cable (USA)

**Since 2016**

## PSE

**適合員等証明書**

**Japan Product Safety**

**Since 2009**

## KS / IEC

**KS CERTIFICATE**

**Korean Standards Association**

**Since 1974**

## KC

**전기용품안전인증서**

**Korea Certification**

**Since 2009**

## ISO 9001

**QUALITY MANAGEMENT SYSTEM CERTIFICATE**

**Quality**

**Since 1998**

## ISO 14001

**ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE**

**Environmental**

**Since 2010**

## ISO 45001

**Occupational Health and Safety Management System Certificate**

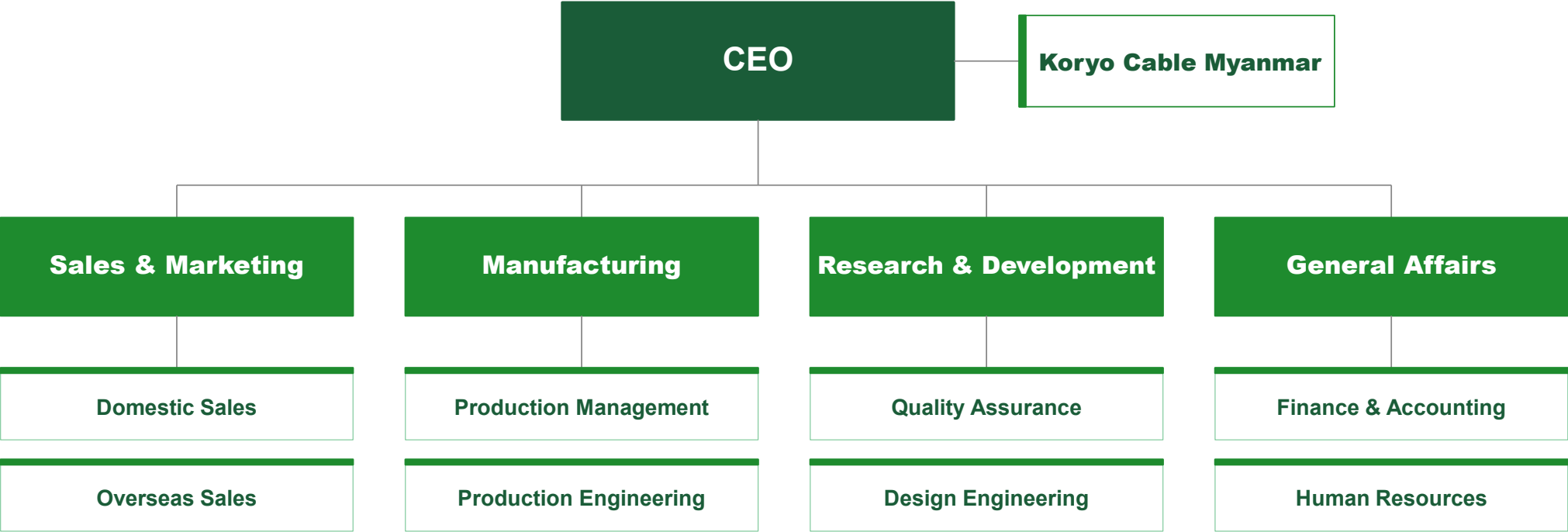
**Health & Safety**

**Since 2020**

## KOTRA

**KOTRA SEAL OF EXCELLENCE**

**Seal of Excellence**



## II.

# Global Performance

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- Domestic Performance
- Overseas Performance



## Domestic Performance



**125**  
Projects

**70+**  
Clients

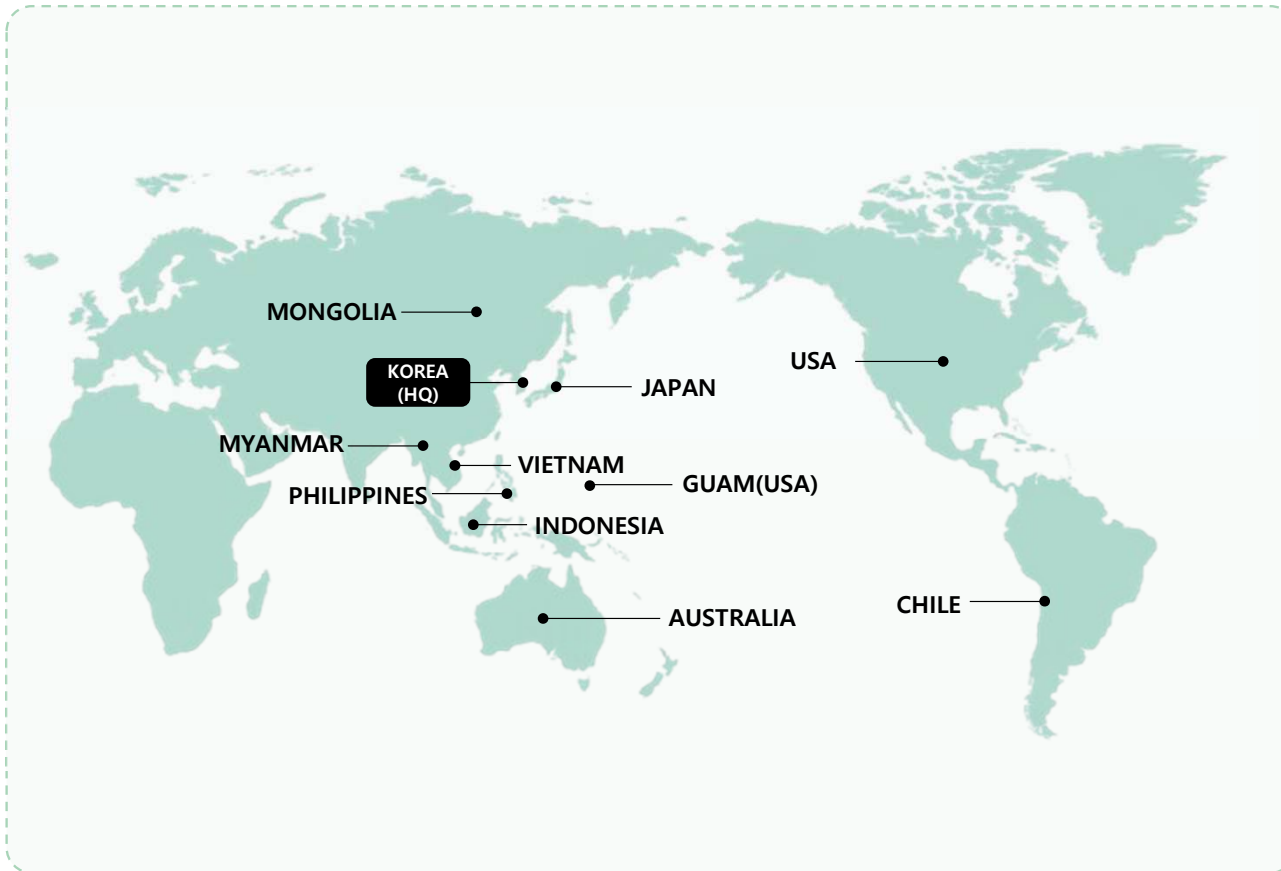
**KORYO**

### Key Domestic Clients



Full project reference list available upon request

## Overseas Performance



## Products by Region

USA	- 15~35KV AL-URD MV-105
GUAM(USA)	- 0.6/1kV CU/PVC cable - 35kV AL/XLPE/CTS/PVC cable
JAPAN	- 0.6/1kV CU/XLPE/PVC cable (CVT)
AUSTRALIA	- 12.7kV AL/XLPE/CWA/PVC cable - 0.6/1kV CU/XLPE/PVC cable
PHILIPPINES	- 0.6/1kV CU/PVC cable - 0.6/1kV CU/XLPE/PVC cable - 25kV ACSR AW TR/OC
INDONESIA	- TIE WIRE (made of Aluminium)
VIETNAM	- Bare Copper Conductor
CHILE	- 0.6/1kV CU/PVC cable - 0.6/1kV CU/XLPE/PVC cable
MYANMAR	- 0.6/1kV CU/XLPE/PVC cable
MONGOLIA	- 0.6/1kV CU/XLPE/PVC cable - 450/750V CU/PVC cable

# Manufacturing Facility

**KORYO**



**Wire Drawing (CU)**



**Stranding (CU)**



**Stranding (CU)**



**Stranding (AL)**



**Cabling**



**Cabling**



**Jacketing**



**Insulation (CCV)**



**Insulation (CCV)**

# Testing Facility



## Electrical Test



Voltage Test (Under Water)



Partial Discharge Tester



Heating Test System



Tangent Delta ( $\tan \delta$ ) Tester



Heating Cycle Test



Conductor Resistance Tester

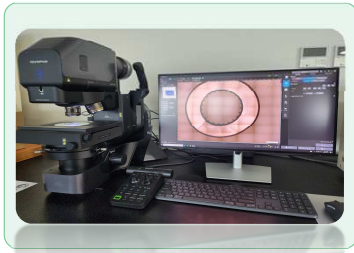


Cable Test Water Terminal

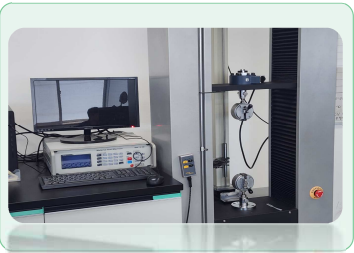


High Voltage Tester

## Physical Test



Microscope for Cable Void Inspection



Tensile and Elongation Tester



Hot Set Test Oven



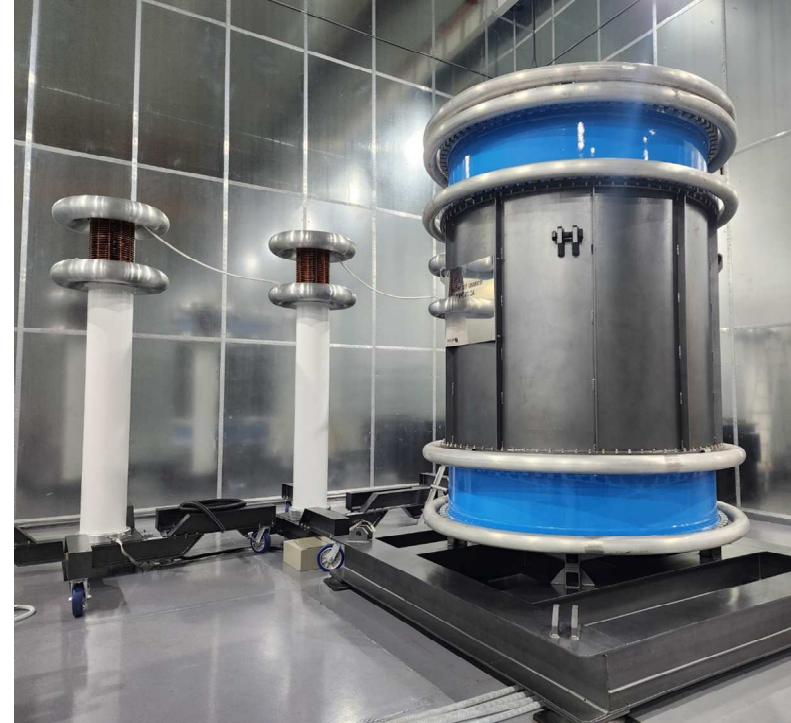
Low Temperature Tester



### Impulse Voltage Tester

*Lightning & Switching Impulse Test*

Verifies cable insulation against lightning and switching overvoltages (IEC 60060-1)



### PD-Free AC Resonance Tester

*High-Voltage Withstand Test*

AC withstand & partial discharge testing for HV cable systems (IEC 60840 / 62067)

## IV.

### Main Products

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- Power Cable (LV)
- Power Cable (MV)
- Power Cable (HV)
- Aerial Cable



## Power Cable (LV)

**KORYO**

CABLE CROSS-SECTION



Low Voltage Power Cable

## 0.6 / 1kV TFR-CV

### APPLICATION

Power distribution lines with excellent flame retardant properties

### CONSTRUCTION

Conductor	Annealed Copper (CU) / Aluminium (AL)
Insulation	XLPE
Jacket	PVC, FR-PVC, XLPE, HF

### PRODUCT LINE

0.6/1kV TFR-CV/AL

0.6/1kV TFR-8

0.6/1kV HF-CO

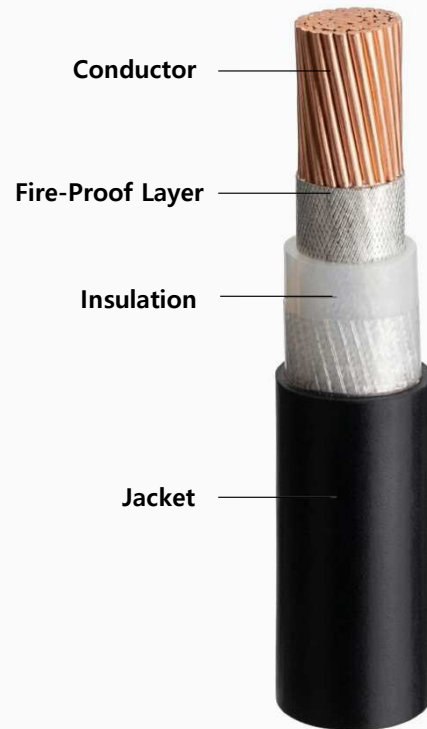
6/10kV TFR-CV

6/10kV HF-CO

## Power Cable (LV)

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CABLE CROSS-SECTION



Low Voltage Power Cable

## 0.6 / 1kV FIRE RESISTANT

FIRE-RESISTING TEST

830°C / 3 hours

### APPLICATION

Fire alarms, sprinkler systems, and emergency lighting circuits requiring fire-resistant properties

### CONSTRUCTION

Conductor	Stranded Copper
Fire-Proof Layer	Between Conductor & Insulation
Insulation	XLPE
Assembly	Multi-cores w/ Fire-Protect Layer
Jacket	FR-PVC

## Power Cable (MV)

KORYO

CABLE CROSS-SECTION



Medium Voltage Power Cable

## 22.9kV (25kV) CNCV-W / CU(AL)

KEY FEATURE

**Water Tree Retardant / Concentric Neutral**

### APPLICATION

22.9kV-y concentric neutral water-proof power cable with water-tree retardant XLPE insulation

### CONSTRUCTION

Conductor    Compacted Stranded Annealed Copper w/ Water Blocking

Insulation    XLPE, 105°C w/ Semi-Conductive Inner & Outer Shields

Neutral        Annealed Copper Wire and Water-Blocking Tape

Jacket         PVC (CNCV-W) / HFCO (FR CNCO-W)

### PRODUCT FAMILY

22.9kV-y  
FR-CNCO-W/CU(AL)

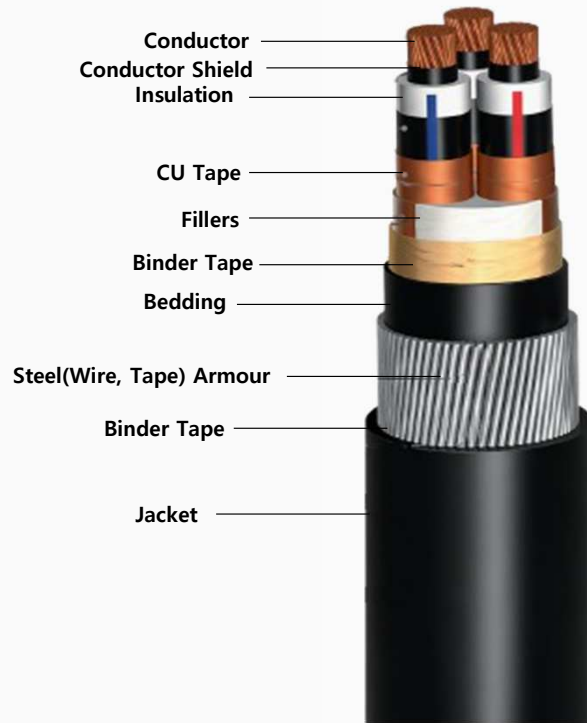
22.9kV-y  
TR-CNCE-W/CU(AL)

22.9kV-y  
TR-CNCV-W/CU(AL)

## Power Cable (MV)



CABLE CROSS-SECTION



Medium Voltage Power Cable

### CU XLPE Insulated, Armoured PVC/PE Jacket

#### VOLTAGE RATINGS

5kV, 15kV, 25kV, 35kV

#### APPLICATION

Power distribution circuits in industrial and commercial installations

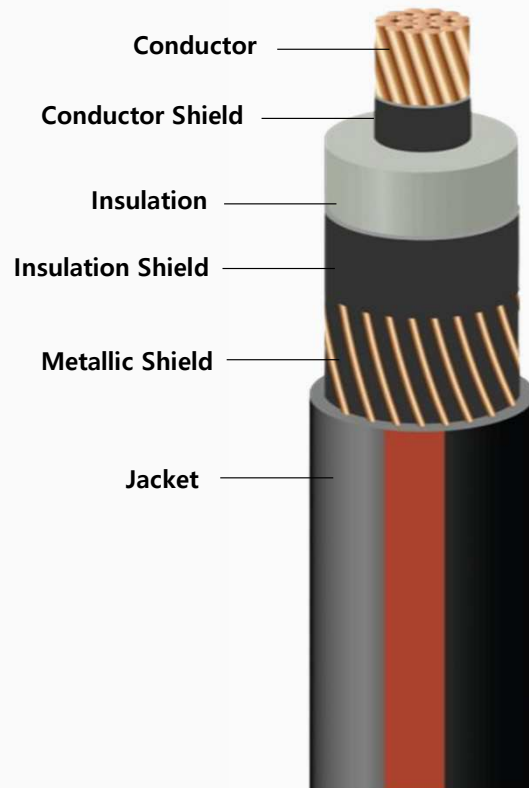
#### CONSTRUCTION

Conductor	Compacted Stranded with Annealed Copper
Insulation	XLPE with Semi-Conductive Shields
Shield	Copper Tape
Bedding	PVC
Armouring	AL Wire (1-core) Galvanised Steel Wire or Tape (3-core)

## Power Cable (MV)



CABLE CROSS-SECTION



### Medium Voltage Power Cable

## 5, 15, 25, 35kV URD

#### KEY FEATURE

**TR-XLPE Insulation** / Tree Retardant

#### APPLICATION

Single-phase and three-phase primary underground distribution systems operating up to 35kV phase-to-phase. Suitable for direct burial or duct installation.

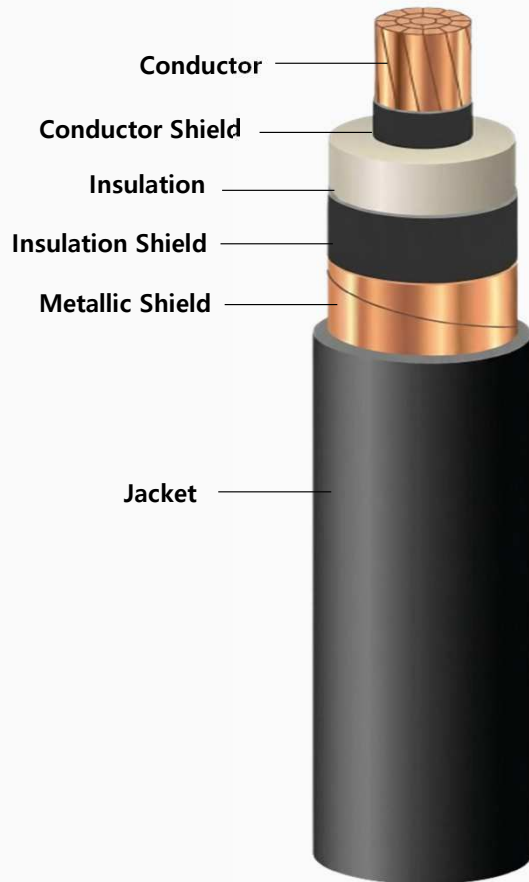
#### CONSTRUCTION

Conductor	Compressed annealed copper
Conductor Shield	Semi-Conducting Thermosetting
Insulation	TR-XLPE (Tree Retardant XLPE)
Insulation Shield	Extruded semiconducting (Triple Extrusion)
Metallic Shield	Soft drawn bare copper concentric neutral (1/3)
Jacket	Black XLPE

## Power Cable (MV)



CABLE CROSS-SECTION



### Medium Voltage Power Cable

## 5, 15, 25, 35kV EPR

#### KEY FEATURE

**EPR Insulation** / High-Performance Rubber

#### APPLICATION

Suitable for use in underground distribution systems. Designed for direct burial, conduit, or duct installation in commercial and industrial applications.

#### CONSTRUCTION

Conductor	Compacted annealed copper
Conductor Shield	Semi-Conducting Thermosetting
Insulation	Ethylene Propylene Rubber (EPR)
Insulation Shield	Extruded semiconducting (Triple Extrusion)
Metallic Shield	5 mil bare copper tape (25% overlap)
Jacket	Sunlight resistant black PVC

## Power Cable (HV)



CABLE CROSS-SECTION



High Voltage Power Cable

# 69, 115, 138, 230 kV

### KEY TECHNOLOGY

**Super Clean XLPE — Triple Extrusion / Dry Cured**

### APPLICATION

Power transmission for utilities, renewable energy, nuclear and thermal power plants, railways, and industrial facilities.

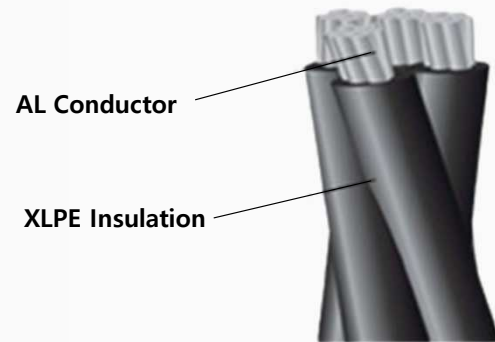
### CONSTRUCTION

Conductor	Stranded Copper or Aluminium (Concentric / Compact / Segmental)
Conductor Shield	Semi-Conductive
Insulation	Super Clean XLPE (Triple Extrusion, Dry Cured)
Insulation Shield	Firmly Bonded
Sheath	Aluminium (Moisture Impervious)
Jacket	Polyethylene or PVC or Halogen-free Jacket

## Aerial Cable

### Low Voltage Aerial Cable

CABLE CROSS-SECTION



#### AL / XLPE Cable (ABC)

Aerial Bundled Cable

##### APPLICATION

Mainly used for secondary overhead lines on poles or as feeders to residential premises.

##### CONSTRUCTION

Aluminium Stranded, XLPE Insulated

### Medium Voltage Aerial Cable

CABLE CROSS-SECTION



#### 15, 25, 35kV SAC

Spacer Aerial Cable

##### APPLICATION

Used for medium-voltage aerial distribution lines.

##### CONSTRUCTION

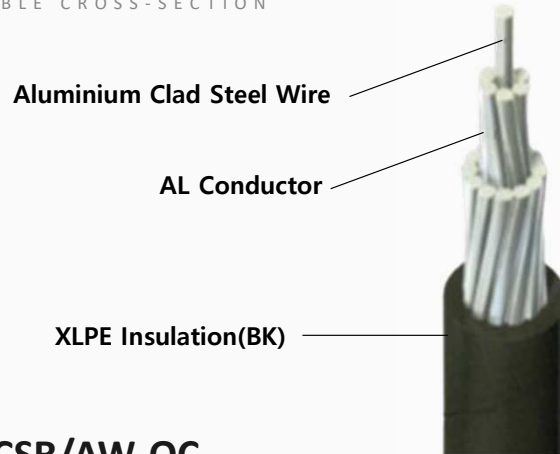
Aluminium Stranded, Conductor Shield, XLPE Insulated, XLPE(Black) Sheathed

## Aerial Cable



### MV(15, 35kV) Covered Aerial Cable

CABLE CROSS-SECTION



#### ACSR/AW-OC

Aluminium Clad Steel Reinforced Outdoor XLPE Insulated

#### APPLICATION

Used for medium-voltage aerial distribution lines.

#### CONSTRUCTION

AL-Clad Steel Wire / AL Stranded, XLPE Insulated

**VOLTAGE** 15kV, 35kV

**SIZE** 32, 58, 95, 160, 240 mm<sup>2</sup>

CABLE CROSS-SECTION



#### ACSR/AW TR-OC

Aluminium Clad Steel Reinforced, Outdoor Tree-Retardant XLPE Insulated

#### APPLICATION

Weather-resistant overhead distribution cable.

#### CONSTRUCTION

AL-Clad Steel Wire / AL Stranded, Tree-Retardant XLPE Insulated

**VOLTAGE** 15kV, 35kV

**SIZE** 160, 240 mm<sup>2</sup>

# Contact Information

HEAD OFFICE

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## Korea

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OVERSEAS PLANT

**02**

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DIGITAL

**03**

## Web & E-mail

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