

# High Voltage Components for Next Generation Vehicle

From power plants to industrial field, mammoth buildings and factories to Automotives, ships, railway vehicles and houses, the technology of LS Cable & System is brightly in every corner of the world



# About LS Cable & System

LS spun off from LG in 2003 as a group specializing in the Electrics, Electronics, Energy, and Material.

LS consists of about 40 affiliates including LS Cable & System, LSIS, LS-Nikko Copper, LS Mtron, Gaon Cable, E1 and Yesco.

LS Cable&System is No.1 cable maker in Korea and its business field are telecommunication, electric power.

LS Cable&System makes its best to accomplish the vision, "Your No.1 Creative Partner" and be one of the world leaders with high technology and best level of service.

Major business : elecommunication, Electric Power, Materials.

## History

2008~2011

**Mar. 2011**

LS Cable was renamed LS Cable & System

**Nov. 2009**

Completed Submarine Cable  
Plant in Donghae, Korea

**Sep. 2009**

Took over LS HongQi Cable, China

**Aug. 2008**

Acquired all of shares of Superior Essex, US

1978~2005

**Sep. 2005**

Completed LS industry Complex in Wuxi, China

**Mar. 2005**

LG Cable was renamed LS Cable

**Nov. 2003**

Spun off from LS Group  
May. 1978  
Completed Plant in Gumi, Korea

1962~1977

**Jun. 1977**

Listed on KOSPI  
(Korea Composite Stock Price Index)

**Jan. 1969**

Established Goldstar Cable

**May. 1962**

Established Korea Cable Industry



## Total Solution Provider for Electric Power and Telecommunication Industries

LS Cable & System, the longtime de facto holding company of LS Group, officially transformed into a holding company in July of 2008. The company's operations now encompass a total solution for electric power and telecommunication industries.

The latest change in corporate structure comes as the company is accelerating efforts to improve management efficiency in rapidly expanding markets. The move also results from efforts to effect a more responsible and transparent management structure. Management is now prepared to take more aggressive action to enhance our businesses and to identify new growth engines. The holding company will take the lead in fostering new growth engines and in identifying lucrative investment opportunities, while the company's other business units will focus on improving management and on making operations more efficient. With the continued support of the holding company, LS Cable & System will spearhead efforts to strengthen our business expertise, corporate competitiveness and management.



## Toward the Global Leading Cable Company

In August of 2008 LS Cable & System acquired Superior Essex, North America's largest cable company, making LS Cable & System the third-largest player in the global cable industry. Superior Essex's flagship line of magnet wires and telecommunication cables further strengthened LS Cable & System's product lineup, which had focused on power cables, fiber optic cables and industrial materials. Superior Essex's extensive North America and European production and distribution networks will help LS Cable & System cement a presence in the region and bring the company one step closer to becoming a full-fledged global enterprise.

### Superior Essex

Superior Essex Inc., a FORTUNE 1,000 company, is one of the largest wire and cable manufacturers in the world. The company manufactures and supplies a broad portfolio of wire and cable products for the communications, energy, automotive, industrial, and commercial & residential end-markets. It is a leading manufacturer of magnet wire, fabricated insulation products, and copper and fiber optic communications wire and cable. It is also a leading distributor of magnet wire, insulation and related products.



# LS High Voltage Components for Next Generation Vehicle

As high voltage components (connector, cable and wiring harness) manufacturer and a division of LS Cable & System never stop researching, designing, developing, and manufacturing products with the higher level of quality to address the ever-changing demands in everyday life as well as in the industry.

Our quality control meets the most delicate requirements of international standards and the high level of quality is recognized both by local and international clients.

Our commitment to develop and deliver solutions to address our customers needs and challenges keep our technology on the cutting edge and our know-how in the field more valuable, which our customers highly appreciate. We are looking forward to working with you.

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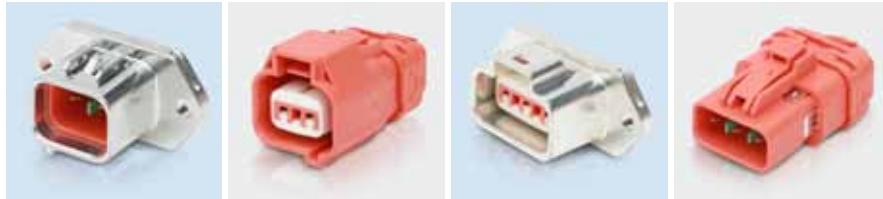
## LS High Voltage Components for Next Generation Vehicle

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# HV CONNECTOR

LS Cable & System  
High Voltage Components for  
Next Generation Vehicle



# 15A RATED CONNECTOR

- **2P / 3P** (Unit: Male Terminal, Wire: Female Terminal)
- **3P** (Unit: Female Terminal, Wire: Male Terminal)

## Description

- Applicable Cable
  - Unit & Wire Connector : 1.25SQ, 2.0SQ Non-Shield Cable
- Temperature Range :  $-40 \sim 125^{\circ}\text{C}$
- Shield Type : **Bundle Shield**
- Multiple Key : **3 keys/Indexes (2Pin only)**

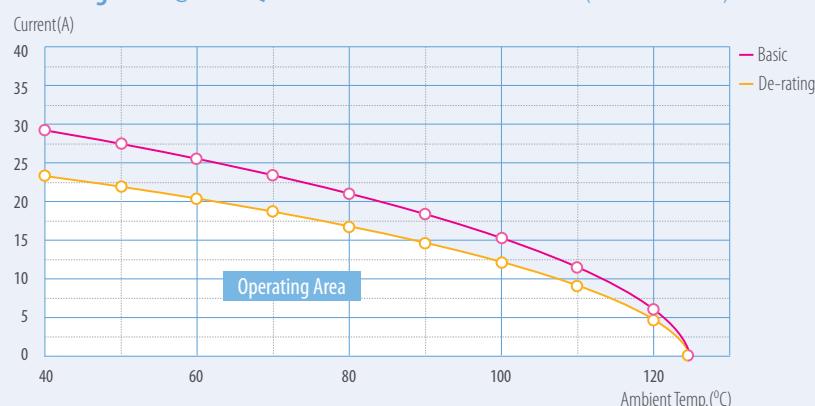


## Performance

- Voltage : **Up to 600V**
- Current Carrying Capacity : Refer to De-rating Curve
- Sealing Protection : **IP67, IP69K**
- Electrical Protection : **IP2XB** (Connector with Female Terminal Only)
- Shield Effectiveness : **510kHz ~ 1,710kHz (40dB ↑ )**  
**70MHz ~ 108MHz (30dB ↑ )**

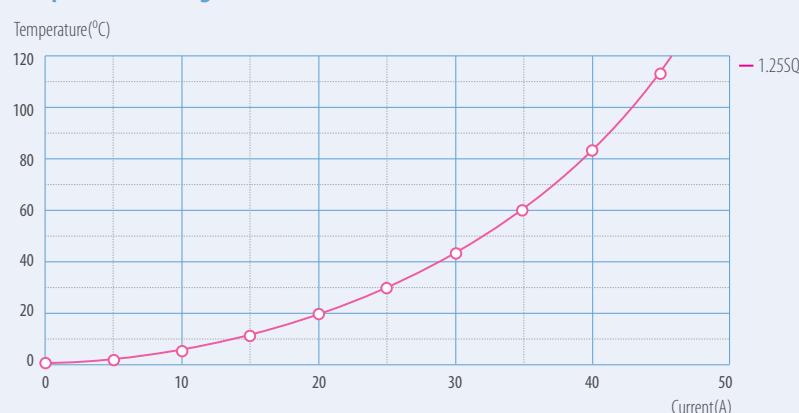
## De-rating Curve@1.25SQ

(IEC 60512-5-2)



## Temperature Rising@1.25SQ

(SAE J 1742)





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LS Cable & System  
High Voltage Components for  
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# 40A RATED CONNECTOR(A TYPE)

- 2P/3P/4P (Unit: Female Terminal, Wire: Male Terminal)
- 2P & 3P Wire to Wire Type

## Description

- Applicable Cable
  - Unit Connector : 3SQ, 5SQ Non-Shield Cable
  - Wire Connector : 3SQ, 5SQ Shield Cable
- Temperature Range : -40 ~ 125 °C
- Shield Type : Individual Shield
- Multiple Key : 4 keys/Index

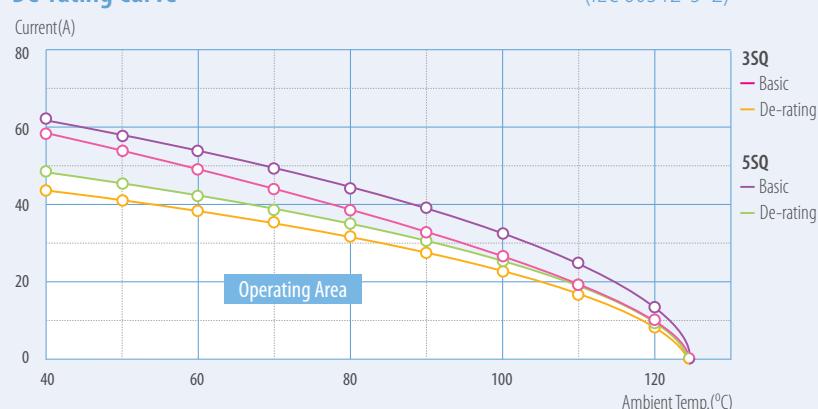
## Performance

- Voltage : Up to 600V
- Current Carrying Capacity : Refer to De-rating Curve
- Sealing Protection : IP67, IP69K
- Electrical Protection : IP2XB (Female Only)
- Shield Effectiveness : 510kHz ~ 1,710kHz (40dB ↑ )  
70MHz ~ 108MHz (30dB ↑ )
- CPA (Connector Position Assurance)



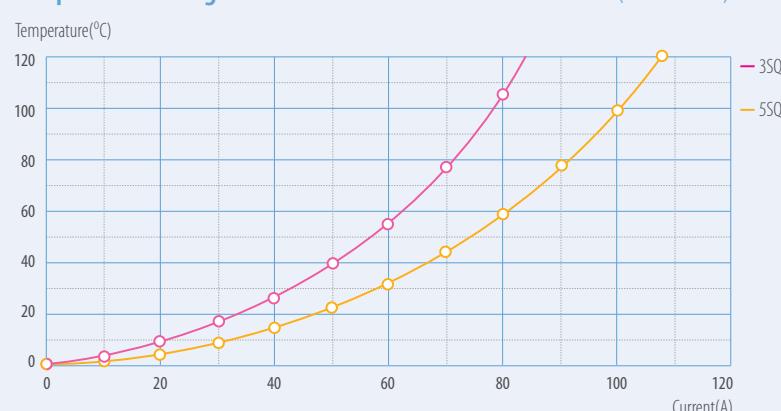
## De-rating Curve

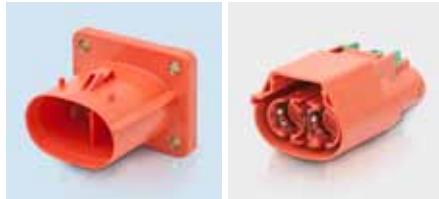
(IEC 60512-5-2)



## Temperature Rising

(SAE J 1742)





## 40A RATED CONNECTOR(B TYPE)

• 2P / 3P (Unit: Male Terminal, Wire: Female Terminal)

### Description

- Applicable Cable
- Unit Connector : 3SQ, 5SQ Non-Shield Cable
- Wire Connector : 3SQ, 5SQ Shield Cable
- Temperature Range : -40 ~ 125 °C
- Shield Type : Individual Shield
- Multiple Key : 4 keys/Indexes

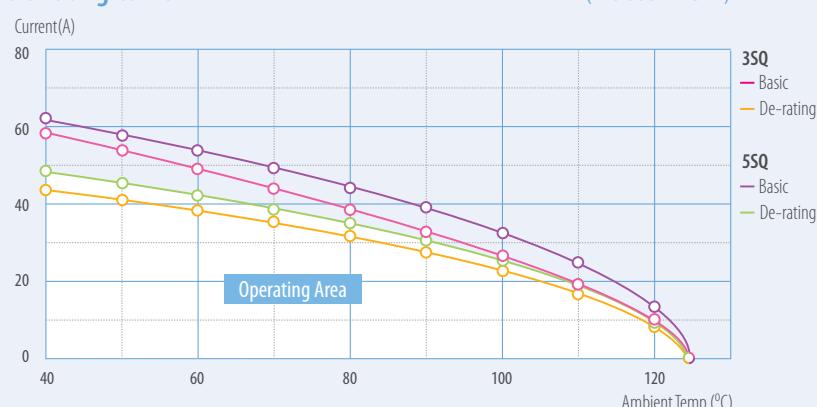


### Performance

- Voltage : Up to 600V
- Current Carrying Capacity : Refer to De-rating Curve
- Sealing Protection : IP67, IP69K
- Electrical Protection : IP2XB (Female Only)
- Shield Effectiveness : 510kHz ~ 1,710kHz (40dB ↑ )  
70MHz ~ 108MHz (30dB ↑ )
- CPA (Connector Position Assurance)

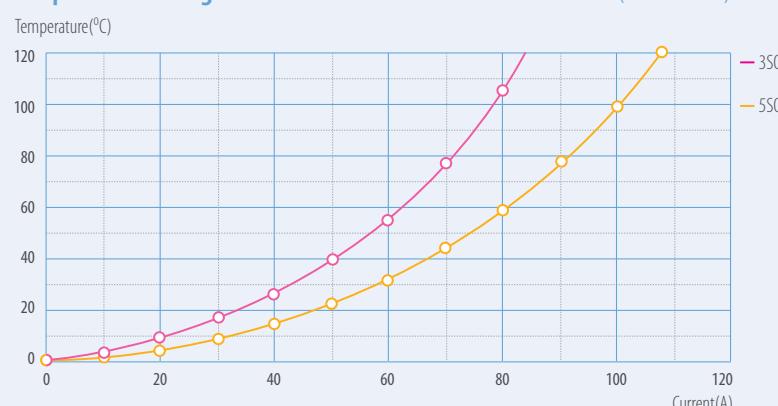
### De-rating Curve

(IEC 60512-5-2)



### Temperature Rising

(SAE J 1742)



# 100A RATED CONNECTOR

- **3P** (Unit : Male Terminal, Wire : Female Terminal)



## Description

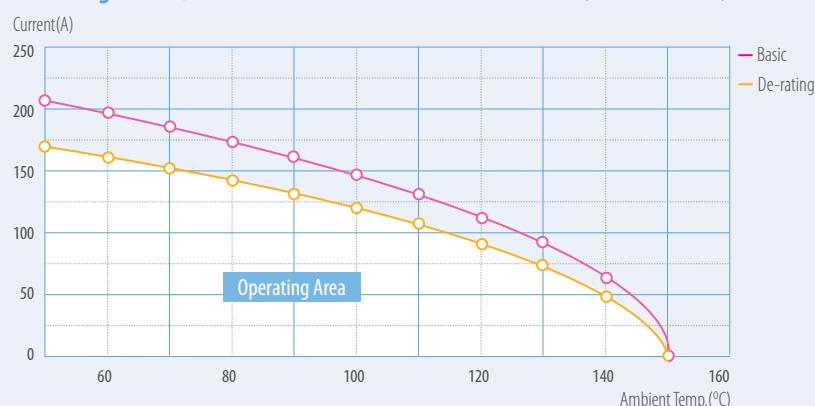
- Applicable Cable
- Unit Connector: **Busbar**
- Wire Connector: **25SQ Non-Shield Cable**
- Temperature Range:  $-40 \sim 125^{\circ}\text{C}$
- Shield Type: **Bundle Shield**

## Performance

- Voltage: **Up to 600V**
- Current Carrying Capacity: Refer to De-rating Curve
- Sealing Protection: **IP67, IP69K**
- Electrical Protection: **IP2XB (Female Only)**
- Shield Effectiveness:  $510\text{kHz} \sim 1,710\text{kHz}$  ( $40\text{dB} \uparrow$ )  
 $70\text{MHz} \sim 108\text{MHz}$  ( $30\text{dB} \uparrow$ )
- High Voltage Interlock (Optional)
- Lever Assistant for Connector Mating

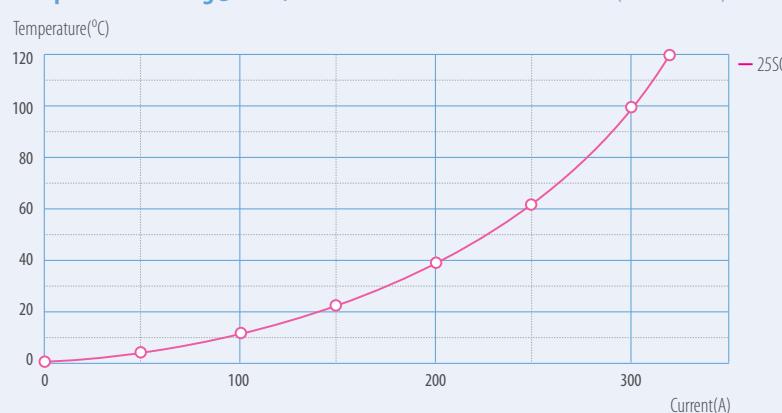
## De-rating Curve@25SQ

(IEC 60512-5-2)



## Temperature Rising@25SQ

(SAE J 1742)





# 200A RATED CONNECTOR

• 2P / 3P (Unit: Male Terminal, Wire: Female Terminal)

## Description

- Applicable Cable
- Unit Connector : **Busbar**
- Wire Connector : **40SQ Shield Cable**
- Temperature Range :  $-40 \sim 125^{\circ}\text{C}$
- Shield Type : **Individual Shield**



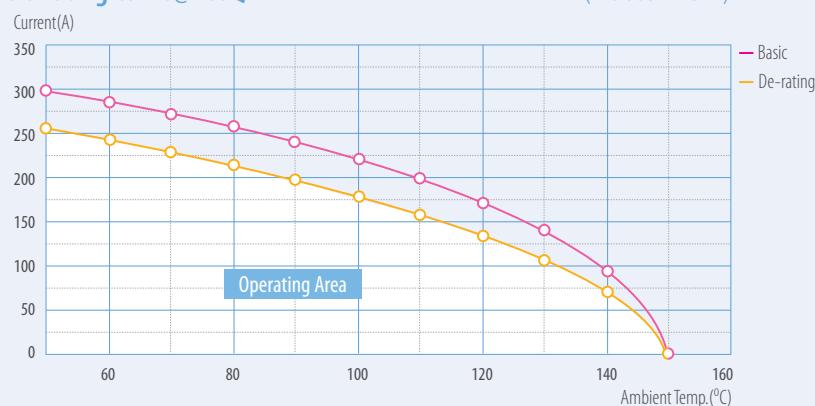
## Performance

- Voltage : **Up to 600V**
- Current Carrying Capacity : Refer to De-rating Curve
- Sealing Protection : **IP67, IP69K**
- Electrical Protection : **IP2XB (Female), IP2XX (Male)**
- Shield Effectiveness : **510kHz ~ 1,710kHz (40dB ↑ )**  
**70Mhz ~ 108Mhz (30dB ↑ )**
- High Voltage Interlock (Optional)
- Lever Assistant for Connector Mating



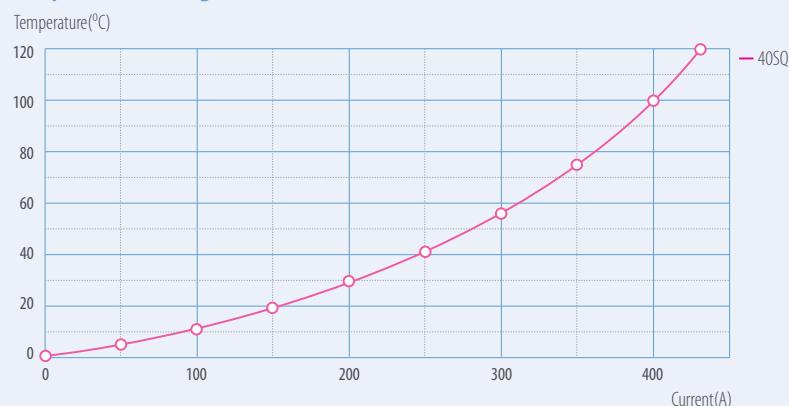
## De-rating Curve@40SQ

(IEC 60512-5-2)



## Temperature Rising@40SQ

(SAE J 1742)





# 300A RATED CONNECTOR

• 1P/2P/3P (Unit: Female Terminal, Wire: Male Terminal)

## Description

- Applicable Cable
- Unit Connector : **Busbar**
- Wire Connector : **40SQ, 50SQ Shield Cable**
- Temperature Range :  $-40 \sim 125^{\circ}\text{C}$
- Shield Type : **Individual Shield**

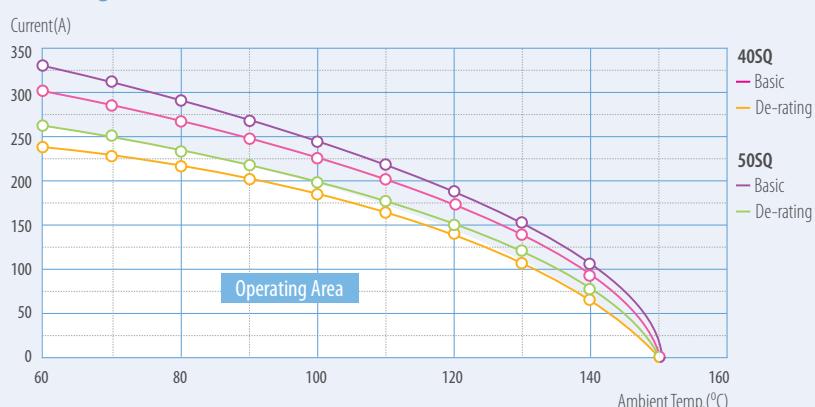
## Performance

- Voltage : **Up to 900V**
- Current Carrying Capacity : Refer to De-rating Curve
- Sealing Protection : **IP67, IP69K**
- Shield Effectiveness : **510kHz ~ 1,710kHz (40dB ↑ )**  
**70Mhz ~ 108Mhz (30dB ↑ )**



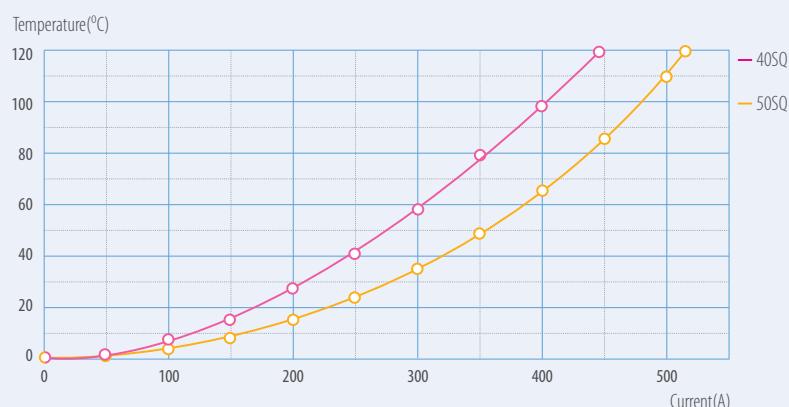
## De-rating Curve

(IEC 60512-5-2)



## Temperature Rising

(SAE J 1742)



# EYELET CONNECTOR

- 1P

## Description

- Applicable Cable
- 40SQ, 50SQ Shield Cable
- Temperature Range : -40 ~ 125 °C
- Shield Type : Individual Shield

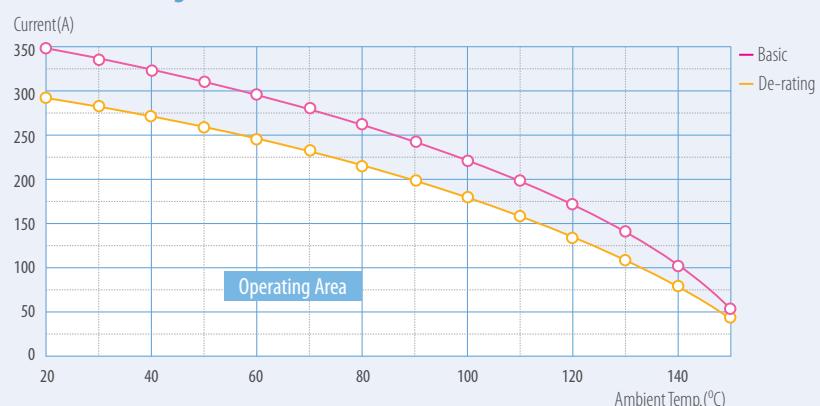
## Performance

- Voltage : Up to 900V
- Current Carrying Capacity : Refer to De-rating Curve
- Sealing Protection : IP67, IP69K
- Shield Effectiveness : 510kHz ~ 1,710kHz (40dB ↑ )  
70Mhz ~ 108Mhz (30dB ↑ )
- Low Contact Resistance
- Low Voltage Drop and Small Size



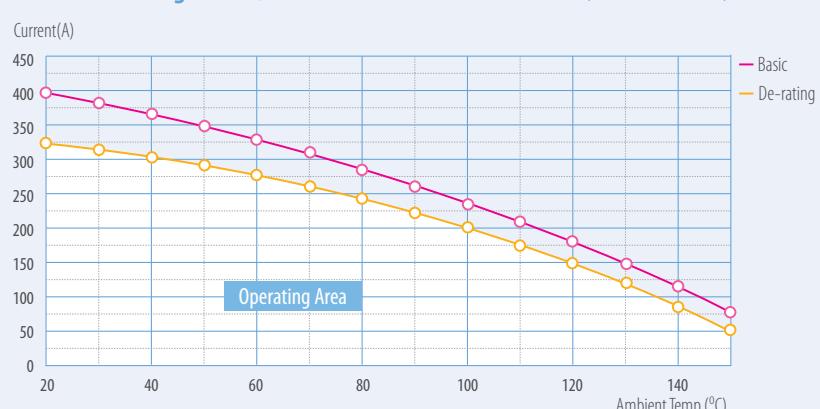
**EYELET De-rating Curve@40SQ**

(IEC 60512-5-2)



**EYELET De-rating Curve@50SQ**

(IEC 60512-5-2)





# EV CHARGING SOLUTION

LS Cable & System  
High Voltage Components for  
Next Generation Vehicle

# AC COUPLER

LS Cable & System High Voltage Components for  
Next Generation Vehicle

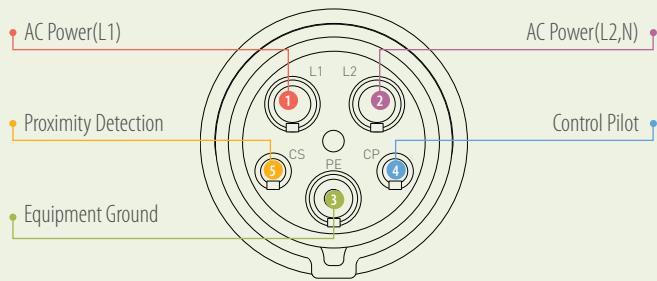
- Interface compliant to SAE J1772 and IEC 62196-2 Type1 standards
- Female terminals on charge connector, Male terminals on vehicle inlet
- Excellent terminal performance exceeding 10,000cycles
- Safety construction of drop impact resistance and vehicle drive over test
- Latch for safe and secure connection
- Pushbutton-controlled flashlight
- Smooth opening cover of using a cap damper
- Ambient temperature -40 °C ~ 60 °C
- IP67 sealing (when mated)



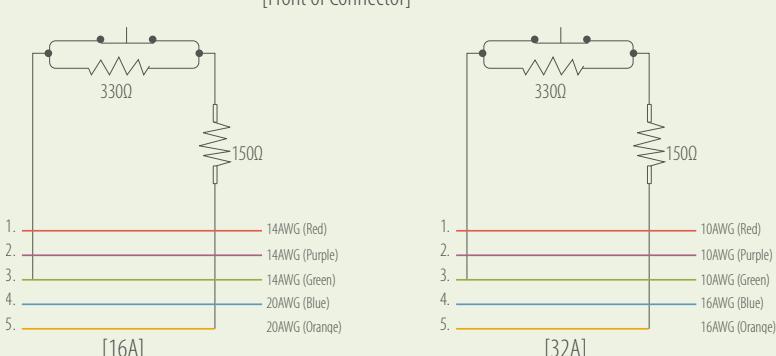
• CONNECTOR

Certification Standard	UL2251 / IEC62196-1 / K9900 (Korea)
Rated Voltage	Up to 250V
Rated Current	32A / 16A
Applicable Cable	Power : 3C x 10AWG(32A) / 3C x 14AWG(16A) Signal : 2C x 16AWG(32A) / 2C x 20AWG(16A)
Number of Poles	Power 2, Ground 1, Signal 2
Insulation Resistance	Over 5MΩ (DC 500V)
Dielectric with Stand Voltage	AC 2,000V 1minute

## Terminal Position



• INLET



# AC PLUG & SOCKET OUTLET

LS Cable & System High Voltage Components for  
Next Generation Vehicle

## PLUG

- Interface compliant to Korea standard(K9900)
- Common using of female terminals on charge connector
- Mated with socket outlet on AC Charger
- Very easy to using with handle lock construction
- Excellent terminal performance exceeding 10,000cycles
- Ambient temperature -40 °C ~ 60 °C
- IP67 sealing (when mated)



• PLUG

Certification Standard	K9900 (Korea)
Rated Voltage	Up to 250V
Rated Current	32A / 16A
Applicable Cable	Power : 3C x 10AWG(32A) / 3C x 14AWG(16A)
	Signal : 2C x 16AWG(32A) / 2C x 20AWG(16A)
Number of Poles	Power 2, Ground 1, Signal 2
Insulation Resistance	Over 5MΩ (DC 500V)
Dielectric with Stand Voltage	AC 2,000V 1minute

## SOCKET OUTLET

- Interface compliant to Korea standard(K9900)
- Mated with AC Plug
- Waterproof mounting construction
- Cover is closed by itself when removing plug
- Ambient temperature -40 °C ~ 60 °C
- IP67 sealing (when mated)



• SOCKET OUTLET

Certification Standard	K9900 (Korea)
Rated Voltage	Up to 250V
Rated Current	32A / 16A
Applicable Cable	Power : 3C x 10AWG(32A) / 3C x 14AWG(16A)
	Signal : 2C x 16AWG(32A) / 2C x 20AWG(16A)
Number of Poles	Power 2, Ground 1, Signal 2
Insulation Resistance	Over 5MΩ (DC 500V)
Dielectric with Stand Voltage	AC 2,000V 1minute

# DC COUPLER

LS Cable & System High Voltage Components for  
Next Generation Vehicle

- Interface compliant to JEVG105 and IEC 62196-3 Type1 standards
- Female terminals on vehicle inlet, Male terminals on charge connector
- Excellent terminal performance exceeding 10,000cycles
- Safety construction of drop impact resistance and vehicle drive over test
- Applied secondary locking system for prevention of uncoupling during charging
- LED lamp lights during charging
- Lever to reduce connector mating force
- Ambient temperature -40 °C ~ 60 °C
- IP67 sealing (when mated)



• CONNECTOR

Certification Standard	UL2251 / IEC62196-1
Rated Voltage	Up to 600V
Rated Current	200A
Applicable Cable	Power : 2C x 50mm <sup>2</sup> Signal : 9C x 0.75mm <sup>2</sup> Communication : 2C x 0.5mm <sup>2</sup>
Number of Ploes	Power 2, Signal 8
Insulation Resistance	Over 5MΩ (DC 500V)
Dielectric with Stand Voltage	AC 2200V 1minute



• INLET

# AC CHARGING CORDSET & DC QUICK CHARGER

LS Cable & System High Voltage Components for  
Next Generation Vehicle

## AC CHARGING CORDSET

- Supply AC to vehicle : 3.5kW (220V, 16A), 7kW (220V, 32A) version available
- Control pilot : SAE J1772, IEC 61851-1 compatible
- 20 mA CCID : Interrupting AC path within 40msec for 20mA leakage
- Self test and automatic recovery from fault state
- Contact monitoring circuit : Verifying integrity of AC and signal path
- Earth ground monitor : Checking safety ground existence
- Sealing Protection : IP66
- 3 LED indication : Ready, Charge, Fault



• AC CHARGING CORDSET

## DC QUICK CHARGER

- High power efficiency and high power quality
- 15inch touch screen user interface for self charging system : Intuitive guide with video and audio manual, 800cd/m<sup>2</sup> brightness with long-life LED backlight
- Information Technology : Internal DB for charging and fault data logging, RFID/Smart Card identification and payment
- Communication Technology : CDMA, TCP, CAN, Internet and EV connected
- Safety design : DC/AC leakage interrupt, Solenoid-lock connector preventing electric shock
- Compatibility : IEC 62196-3 (CHAdeMO), IEC 61851-1, 23
- Durable design and easy maintenance

	Output	Specification
Output	Power	50kW
	Voltage	DC 450V
	Current	DC 110A
	Efficiency	> 90%
Input	Voltage	3Ø 380V
	Current	< 92A
	Efficiency	60Hz
	PF	> 0.9
Stand	Size	820mm x 560mm x 1,430mm
	Weight	< 450kg
	Cooling	Forced Air Cooling
Etc	IP	IP44 / IEC60529
	Insulation	Galvanic Insulation
Comm.	Comm.	LAN, CAN, CDMA, RS232, 485



• DC QUICK CHARGER



# LS High Voltage Components for Next Generation Vehicle

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# HV CABLE

LS Cable & System  
High Voltage Components for  
Next Generation Vehicle

# EEX(Non-Shield), EEXV-SB(Shield)

LS Cable & System High Voltage Components for Next Generation Vehicle

## Description

High voltage, flexible, electromagnetically shielded automotive cable for applications on EV, HEV, FCEV wiring systems

## Features

- Reliable to high-voltage & current conditions
- Excellent EMI, EMC noise reduction(EEXV-SB)
- Eco-friendly designed materials (non PBDE, PBBs, Pb, Cr+6, Cd, Hg)

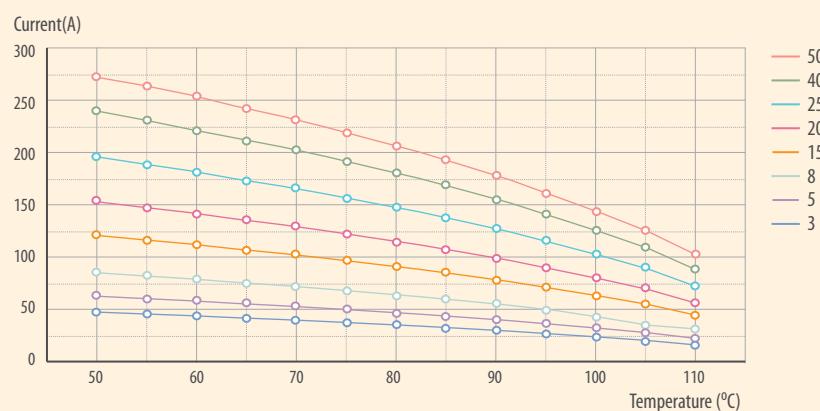
## Benefits

- Maximum using temperature (ISO 6722 Class C : 125 °C)
- Flexible and easy to handle for harnessing

## Materials

- Conductor : roped-strand tin annealed copper
- Shield : braided by tin annealed copper strands
- Insulation : 125 °C halogen-free XLPE
- Sheath : 105 °C Pb-free PVC

## Current Limit



## Structure and Cable Selection

Normal Size (mm <sup>2</sup> )	Conductor			Insulation		Shield braid	Sheath	
	No. of Strand (N/mm)	O.D. (mm)	Resistance (Ω/m@20°C)	Thickness (mm)	O.D. (mm)	No. of Strand (N/mm)	Thickness (mm)	O.D. (mm)
1.25	37/0.21TA	1.50	0.01550	0.60	2.70±0.20	24/4/0.12TA	0.50	4.20±0.25
3	65/0.26TA	2.40	0.00565	0.70	3.80±0.25	24/6/0.12TA	0.50	5.30±0.30
5	65/0.32TA	3.00	0.00372	0.80	4.60±0.30	24/7/0.14TA	0.80	6.90±0.40
8	7/22/0.26TA	4.00	0.00243	0.80	5.60±0.30	24/7/0.14TA	0.80	7.90±0.40
15	19/9/0.32TA	5.30	0.00144	1.10	7.50±0.30	24/7/0.18TA	1.00	10.30±0.45
20	19/13/0.32TA	6.50	0.00010	1.10	8.70±0.35	24/8/0.18TA	1.00	11.50±0.45
25	19/16/0.32TA	7.30	0.00082	1.10	9.50±0.35	24/8/0.18TA	1.00	12.40±0.45
*25	19/17/0.32TA	7.40	0.00076	1.40	10.20±0.40	24/8/0.18TA	1.00	13.00±0.50
40	19/26/0.32TA	9.10	0.00052	1.40	11.90±0.40	24/10/0.18TA	1.50	15.70±0.55
50	19/32/0.32TA	10.10	0.00042	1.60	13.30±0.45	24/10/0.18TA	1.50	17.10±0.60

※ 25 Additional Option



# EEX-FF(Non-Shield), EEX-FFS(Shield)

LS Cable & System High Voltage Components for  
Next Generation Vehicle

## Description

High voltage [600V], Super flexible, Heat resistance automotive cable for applications on EV, HEV, FCEV wiring systems

## Features

- Reliable to high-voltage & current conditions
- Excellent EMI, EMC noise reduction(EEX-FFS)
- Eco-friendly designed materials (Non PBDE, PBB, Pb, Cr+6, Cd, Hg)
- Zero-Halogen materials

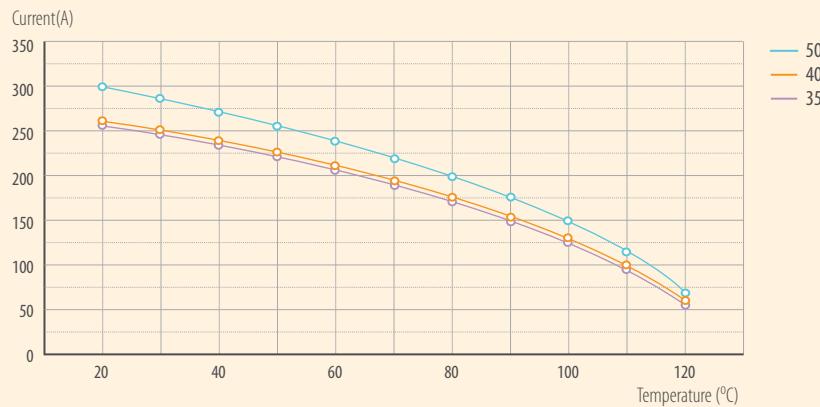
## Benefits

- Maximum using temperature(Class C :125 °C)
- Very flexible and easy to handle for harnessing
- Maximum Bending Radius : Out-diameter X 3 Times(EEX-FF), Out-diameter X 10 Times(EEX-FFS)

## Materials

- Conductor & Shield Metal : Roped strand Tin annealed copper
- Insulation : Heat resistance 125 °C Halogen-free Poly-olefin(ISO 6722 C)
- Sheath : Heat resistance 125 °C Halogen-free Poly-olefin(ISO 6722 C)

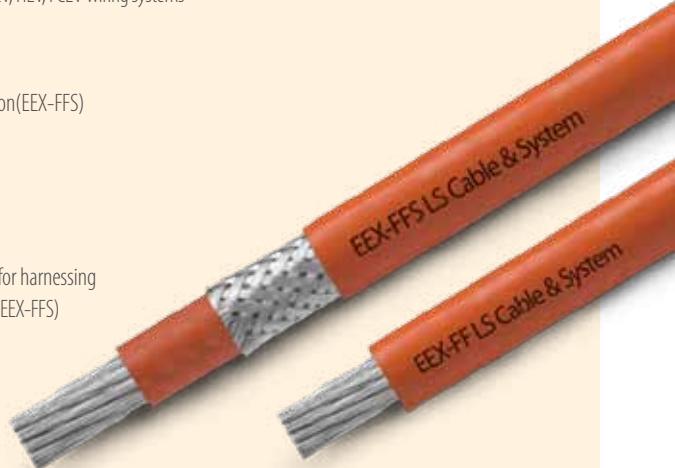
## Current Limit



## Structure and Cable Selection

Normal Size (mm <sup>2</sup> )	Conductor			Insulation		Shield braid		Sheath		Bending Radius (mm)
	No. of Strand (N/mm)	O.D. (mm)	Resistance (Ω·m@20°C)	Thickness (mm)	O.D. (mm)	No. of Strand (N/mm)	Thickness (mm)	O.D. (mm)		
35	1702/0.160TA	8.7	0.000538	1.20	11.1±0.5	24x9x0.180	1.00	14.0±0.6	Max 150 (Max35,EEX-FF)	
40	1554/0.180TA	9.1	0.000460	1.40	11.9±0.5	24x10x0.180	1.50	15.7±0.6	Max 190 (Max40,EEX-FF)	
50	1850/0.180TA	11.2	0.000375	1.50	13.2±0.5	24x10x0.180	1.50	17.1±0.6	Max 200 (Max45,EEX-FF)	

※ TA : Tinned Annealed Copper ASTM B33 , O.D : Out diameter



# EEHX(Non-Shield), EEHX-SB(Shield)

LS Cable & System High Voltage Components for Next Generation Vehicle



## Description

High voltage, flexible, electromagnetically shielded automotive cable for applications on EV, HEV, FCEV wiring systems

## Features

- Reliable to high-voltage & current conditions
- Excellent EMI, EMC noise reduction(EEHX-SB)
- Eco-friendly designed materials (Non-PBDE, PBB, Pb, Cr+6, Cd, Hg)

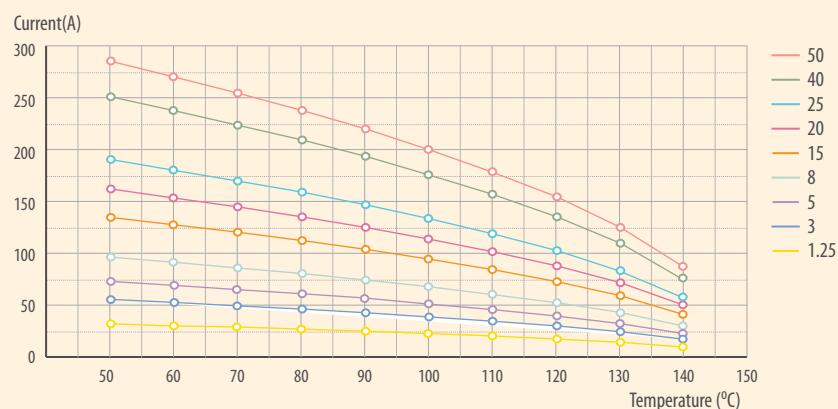
## Benefits

- Maximum using temperature (Class D : 150 °C)
- Flexible and easy to handle for harnessing

## Materials

- Conductor : roped-strand tin annealed copper
- Insulation : High heat-resistance 150 °C halogen-free XLPE
- Shield : braided by tin annealed copper strands
- Sheath : 125 °C halogen-free XLPE

## Current Limit



## Structure and Cable Selection

Normal Size (mm <sup>2</sup> )	Conductor			Insulation		Shield braid	Sheath	
	No. of Strand (N/mm)	O.D. (mm)	Resistance (Ω/m@20°C)	Thickness (mm)	O.D. (mm)		No. of Strand (N/mm)	Thickness (mm)
1.25	37/0.21TA	1.50	0.01550	0.60	2.70±0.20	24/4/0.12TA	0.50	4.20±0.25
3	65/0.26TA	2.40	0.00565	0.70	3.80±0.25	24/6/0.12TA	0.50	5.30±0.30
5	65/0.32TA	3.00	0.00372	0.80	4.60±0.30	24/7/0.14TA	0.80	6.90±0.40
8	7/22/0.26TA	4.00	0.00243	0.80	5.60±0.30	24/7/0.14TA	0.80	7.90±0.40
15	19/9/0.32TA	5.30	0.00144	1.10	7.50±0.30	24/7/0.18TA	1.00	10.30±0.45
20	19/13/0.32TA	6.50	0.00010	1.10	8.70±0.35	24/8/0.18TA	1.00	11.50±0.45
25	19/16/0.32TA	7.30	0.00082	1.10	9.50±0.35	24/8/0.18TA	1.00	12.40±0.45
*25	19/17/0.32TA	7.40	0.00076	1.40	10.20±0.40	24/8/0.18TA	1.00	13.00±0.50
40	19/26/0.32TA	9.10	0.00052	1.40	11.90±0.40	24/10/0.18TA	1.50	15.70±0.55
50	19/32/0.32TA	10.10	0.00042	1.60	13.30±0.45	24/10/0.18TA	1.50	17.10±0.60

※ 25 Additional Option

# EFX(Non-Shield)

LS Cable & System High Voltage Components for  
Next Generation Vehicle

## Description

Extremely high temperature / oil / flame-resistance application, High voltage, flexible, automotive cable for applications on EV, HEV, FCEV wiring systems

## Features

- Reliable to high-voltage & current conditions
- Eco-friendly designed materials (non PBDE, PBBs, Pb, Cr+6, Cd, Hg)

## Benefits

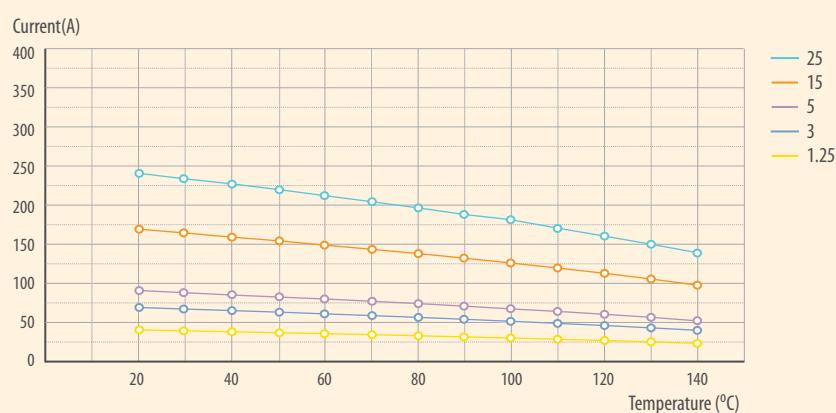
- Maximum using temperature (ISO 6722 Class F : 200 °C)
- Flexible and easy to handle for harnessing

## Materials

- Conductor : roped-strand tin annealed copper
- Insulation : 200 °C rated fluorine elastomer



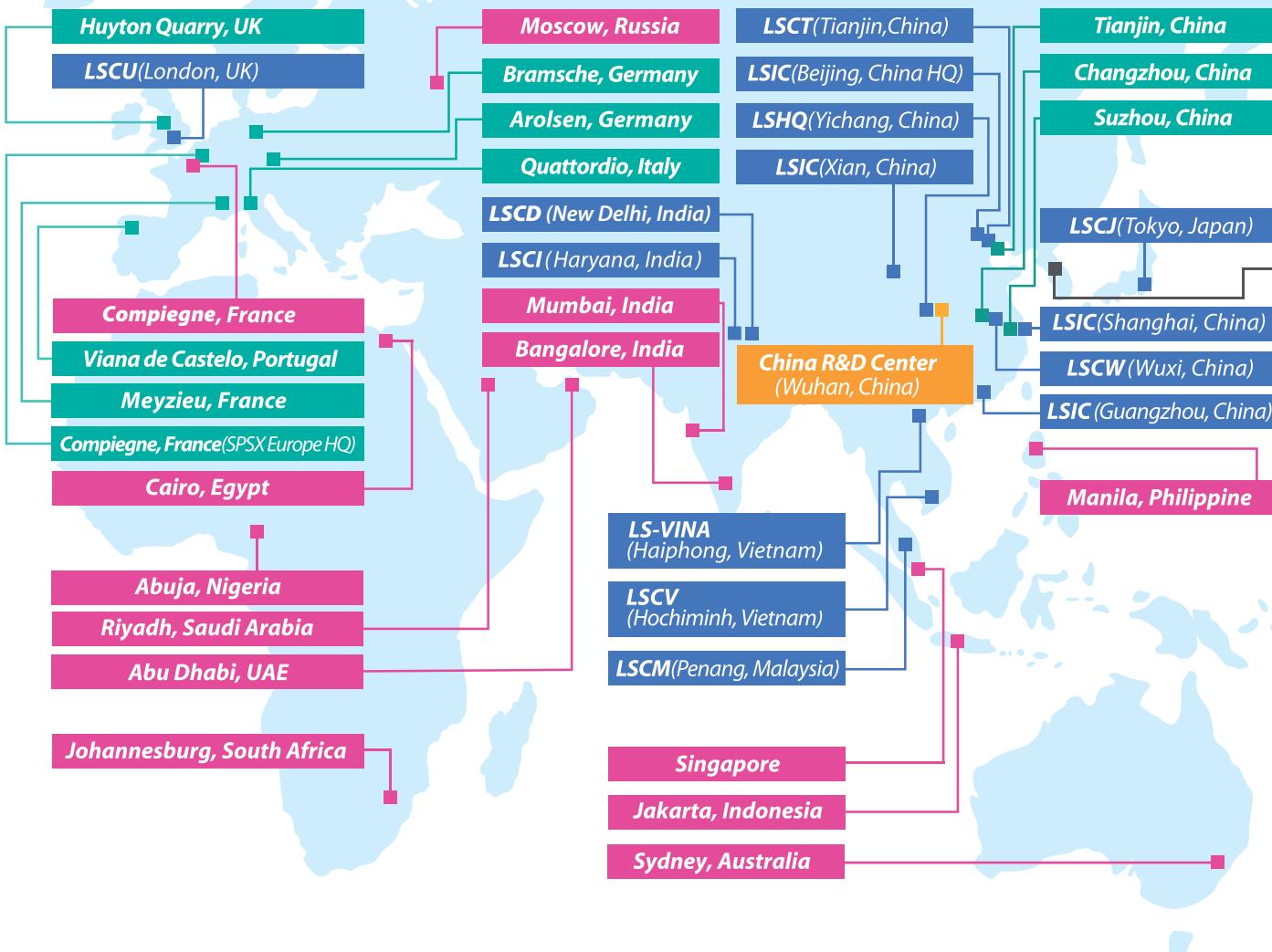
## Current Limit



## Structure and Cable Selection

Normal Size (mm²)	Conductor			Insulation	
	No. of Strand (N/mm)	O.D. (mm)	Resistance (Ω/m@20°C)	Thickness (mm)	O.D. (mm)
1.25	37/0.21TA	1.50	0.01550	0.60	2.70±0.20
3	65/0.26TA	2.40	0.00565	0.70	3.80±0.25
5	65/0.32TA	3.00	0.00372	0.80	4.60±0.30
15	19/9/0.32TA	5.30	0.00144	1.10	7.50±0.30
25	19/16/0.32TA	7.30	0.00182	1.10	9.50±0.35

# Global Network



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### Sao Paulo Office

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### LSCW

LS Industrial Park, Xin Mei Rd. National High-tech Industrial Development Zone  
Wuxi, Jiangsu Province 214028 China  
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Production : Automotive Wire & Cable, Bus Duct, Electronic Wire & Cable, Tube, ACF, Accessories for EHV Cable System

### LSIC : Marketing and sales

#### Beijing, China HQ

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Beijing 100022 China  
Tel. +86-10-5761-3166

#### Shanghai

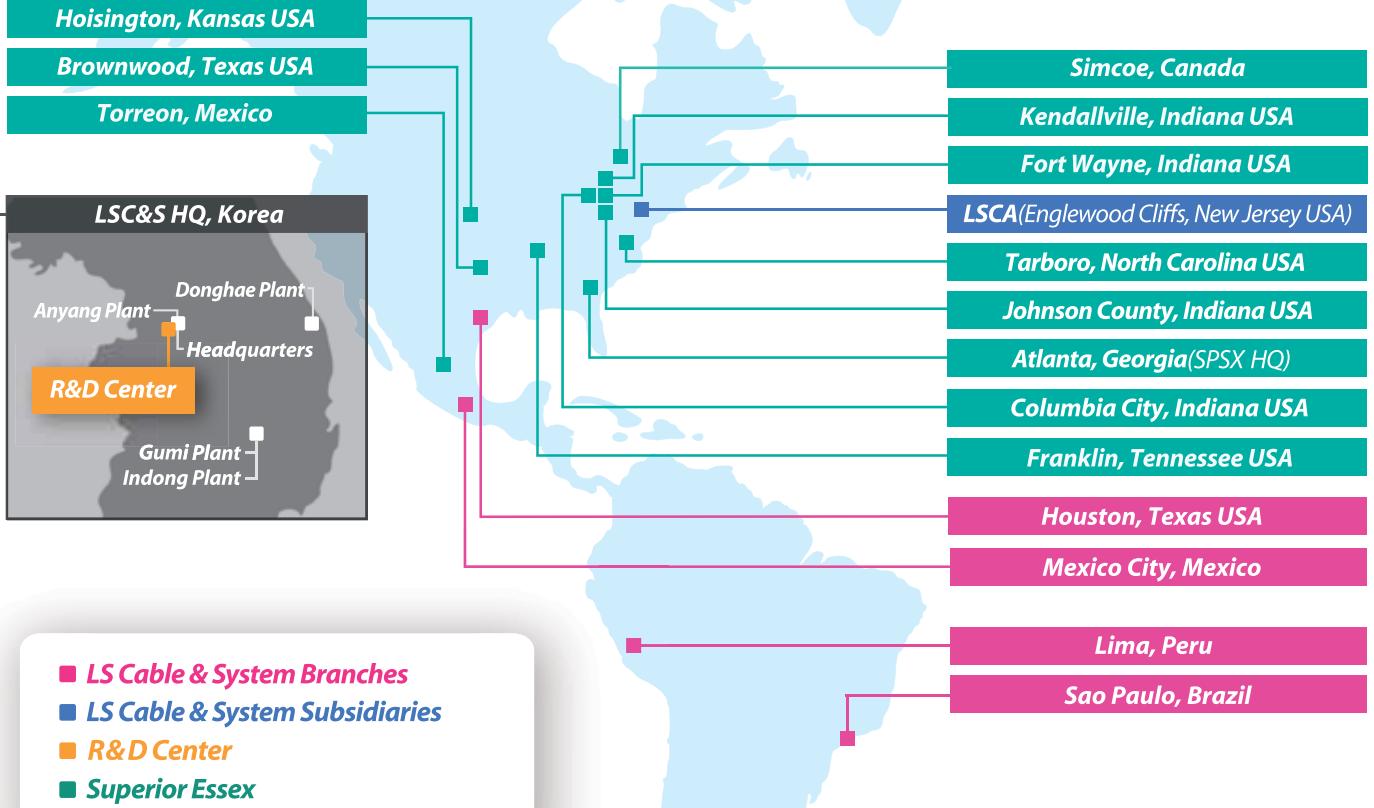
#3105, 31st Fl. International Corporate City, 3000 Zhongshan North Rd.  
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**LSCT**  
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Tel : +86-22-2699-7618  
Production : Magnet Wire

**China R&D Center(Wuhan)**  
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**LSHQ**  
#1 Tanjiahe Rd. Dianjun District, Yi-Chang City, Hubei Province 443004 China  
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Production : Power Cable, Submarine Cable, Industrial Specialty Cable

**LS-VINA(Haiphong)**  
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Tel. +84-31-540750  
Production : EHV Power Cable, ACSR, OPGW, SCR

**LSCV(Hochiminh)**  
Nhon Trach II-Lockhang IZ, Nhon Trach Dt. Dong Nai province, Hochiminh, Vietnam  
Tel. +84-61-356-9037  
Production : MV/LV Cable, Data Cable

**LSCM(Penang)**  
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Tel. +60-4-588-9609(Ext.34)  
Production : Magent Wire

**LSCI(Haryana)**  
#101, 1st Fl. Park Center, Sector-30, Gurgaon, Haryana 122002. India  
Tel : +91-124-4285800-4  
Production : RF Feeder Cable, Power Cable, OPGW

**LSCD : Marketing and sales**  
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**LSCA : Marketing and sales**  
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**LSCU : Marketing and sales**  
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**LSCJ : Marketing and sales**  
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**Indong Plant**  
643 Jinpyeong-dong, Gumi-si, Gyengsangbuk-do 730-735 Korea  
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Production : Industrial Cable & Module, Optical Cable, Aluminum Materials

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1377 Songjeong-dong, Donghae-si, Gangwon-do 240-806 Korea  
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Production : Submarine Cable, Industrial Specialty Cable

**R&D Center**  
200 Dangjeong-dong, Gunpo-si, Gyeonggi-do 431-831 Korea  
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Greater Value Together  
**LS Cable&System**



Hihg Voltage Components for Next Genenration Vehicle

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