

Data Cabling System



# 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.

A leading player in the global cable industry, with over half a century of experience as a manufacturer, providing consolidated expertise in the design and production of premium quality cabling technologies.

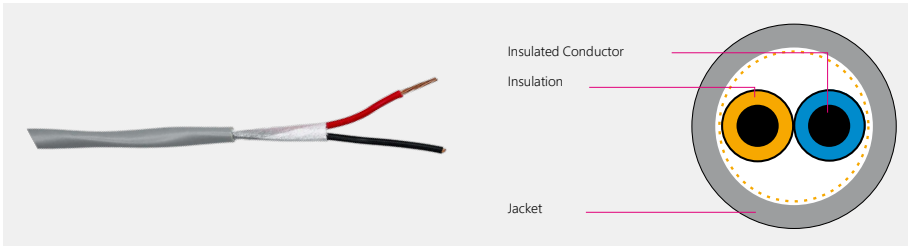


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# Unshielded Data Cable



## Descriptions

- Multipair twisted cable
- Conductor: IEC 60228 (Class 2/Class 5) or ASTM (B 3/B 33)
- PVC/XLPE/LSZH insulation and PVC/FR-PVC/LSZH Jacket (other options are available upon request)
- Packaged on Wooden Reel
- RoHS compliant

## Applications

- Internal wiring of electronic equipment, transmission measurement and control signals with minimum noise
- Industrial, Data, Interconnect
- Public Address, BMS, Fire Alarm systems
- Optimized for Analogue Audio System

## Part Numbers

Product Type	Part Number	Description
Unshielded Data Cable	LS-UDC-XX-YYY-AB	Multipair Unshielded Data Cable

\*XX denotes number of core: **01**(1 core), **02**(2 cores), **03**(3 cores), ...

\*YYY denotes conductor size: : **075**(0.75 mm<sup>2</sup>), **100**(1.00 mm<sup>2</sup>), **150**(1.50 mm<sup>2</sup>), **250**(2.50 mm<sup>2</sup>), **14A**(14 AWG), **16A**(16 AWG), **18A**(18 AWG), ... (other sizes are available upon request)

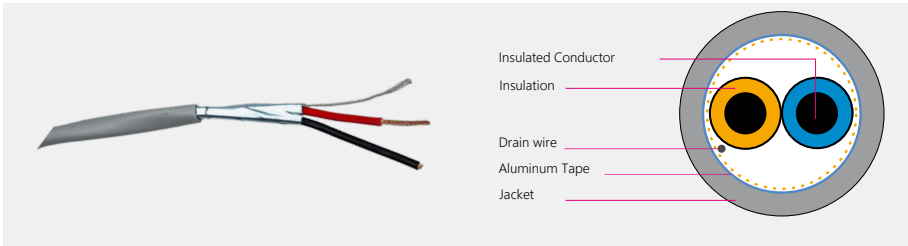
\*A denotes insulation material : **V**(PVC), **X**(XLPE), **Z**(LSZH), **E**(PE), **F**(FEP) ...

\*B denotes jacket material : **V**(PVC), **F**(FR-PVC), **Z**(LSZH), ...

## Technical Details

Item	Unit	PVC / LSZH
Working Voltage	V	300/500
Inductance	mH/km	0.3
Capacitance (C/C)	pF/m	79
Operating Temperature	°C	-20 ~ 80
Insulation resistance	GΩ · km	> 2
Characteristic Impedance	Ω	60

# Shielded Data Cable



## Descriptions

- Multipair twisted cable with Aluminum Mylar Tape shield and drain wire
- Conductor: IEC 60228 (Class 2/Class 5) or ASTM (B 3/B 33)
- PVC/XLPE/LSZH insulation and PVC/FR-PVC/LSZH Jacket (other options are available upon request)
- Packaged on Wooden Reel
- RoHS compliant

## Applications

- Internal wiring of electronic equipment, transmission measurement and control signals with minimum noise
- Industrial, Data, Interconnect
- BMS, Fire Alarm systems
- Optimized for Public Address systems

## Part Numbers

Product Type	Part Number	Description
Shielded Data Cable	LS-SDC-XX-YYY-AB	Multipair Shielded Data Cable

• **XX** denotes number of core: **01**(1 core), **02**(2 cores), **03**(3 cores), ...

• **YYY** denotes conductor size : **075**(0.75 mm2), **100**(1.00 mm2), **150**(1.50 mm2), **250**(2.50 mm2), **14A**(14 AWG), **16A**(16 AWG), **18A**(18 AWG), ... (other sizes are available upon request)

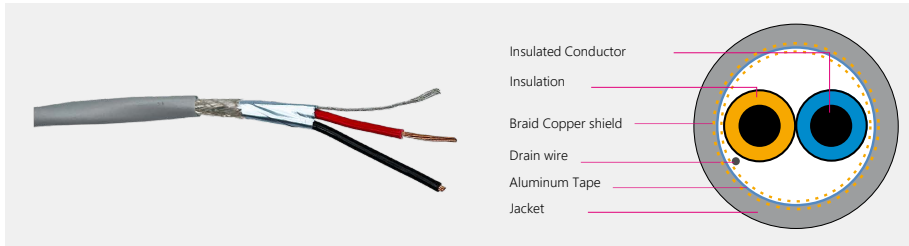
• **A** denotes insulation material : **V**(PVC), **X**(XLPE), **Z**(LSZH), **E**(PE), **F**(FEP), ...

• **B** denotes jacket material : **V**(PVC), **F**(FR-PVC), **Z**(LSZH), ...

## Technical Details

Item	Unit	PVC / LSZH
Working Voltage	V	300/500
Inductance	mH/km	0.3
Capacitance (C/C)	pF/m	79
Operating Temperature	°C	-20 ~ 80
Insulation resistance	GΩ · km	> 2
Characteristic Impedance	Ω	60

# Double Shielded Data Cable



## Descriptions

- Multipair twisted cable with Braid Copper shield, Aluminum Mylar Tape shield and drain wire
- Conductor: IEC 60228 (Class 2/Class 5) or ASTM (B 3/B 33)
- PVC/XLPE/LSZH insulation and PVC/Fr-PVC/LSZH Jacket (other options are available upon request)
- Packaged on Wooden Reel
- RoHS compliant

## Applications

- Internal wiring of electronic equipment, transmission measurement and control signals with minimum noise
- Industrial, Data, Interconnect
- Public Address, Fire Alarm systems
- Optimized for BMS systems

## Part Numbers

Product Type	Part Number	Description
Double Shielded Data Cable	LS-SBDC-XX-YYY-AB	Multipair Double Shielded Data Cable

\***XX** denotes number of core: **01**(1 core), **02**(2 cores), **03**(3 cores), ...

\***YYY** denotes conductor size: : **075**(0.75 mm2), **100**(1.00 mm2), **150**(1.50 mm2), **250**(2.50 mm2), **14A**(14 AWG), **16A**(16 AWG), **18A**(18 AWG), ... (other sizes are available upon request)

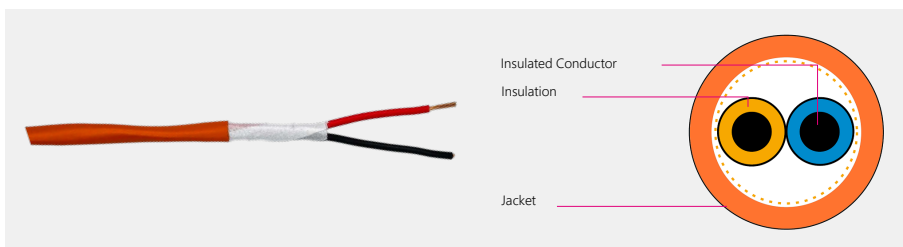
\***A** denotes insulation material : **V**(PVC), **X**(XLPE), **Z**(LSZH), **E**(PE), **F**(FEP) ...

\***B** denotes jacket material : **V**(PVC), **F**(FR-PVC), **Z**(LSZH), ...

## Technical Details

Item	Unit	PVC / LSZH
Working Voltage	V	300/500
Inductance	mH/km	0.3
Capacitance (C/C)	pF/m	79
Operating Temperature	°C	-20 ~ 80
Insulation resistance	GΩ · km	> 2
Characteristic Impedance	Ω	60

# Unshielded Flame Retardant Data Cable



## Descriptions

- Multipair twisted cable
- Conductor: IEC 60228 (Class 2/Class 5) or ASTM (B 3/B 33)
- PVC/XLPE/LSZH insulation and Fr-PVC/LSZH Jacket (other options are available upon request)
- Packaged on Wooden Reel
- RoHS compliant
- Compliant to IEC 60332-1

## Applications

- Internal wiring of electronic equipment, transmission measurement and control signals with minimum noise
- Industrial, Data, Interconnect
- Public Address, BMS systems
- Optimized for Fire Alarm systems

## Part Numbers

Product Type	Part Number	Description
Unshielded Flame Retardant	LS-UFRT-XX-YYY-AB	Multipair Unshielded Flame Retardant Data Cable

\***XX** denotes number of core: **01**(1 core), **02**(2 cores), **03**(3 cores), ...

\***YYY** denotes conductor size: **075**(0.75 mm2), **100**(1.00 mm2), **150**(1.50 mm2), **250**(2.50 mm2), **14A**(14 AWG), **16A**(16 AWG), **18A**(18 AWG), ... (other sizes are available upon request)

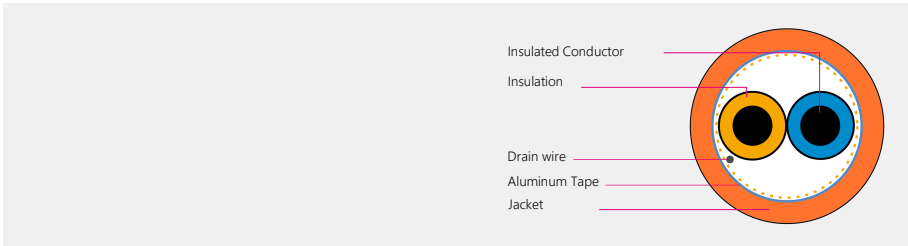
\***A** denotes insulation material : **V**(PVC), **X**(XLPE), **Z**(LSZH), **E**(PE), **F**(FEP), ...

\***B** denotes jacket material : **V**(PVC), **F**(FR-PVC), **Z**(LSZH), ...

## Technical Details

Item	Unit	PVC / LSZH
Working Voltage	V	600/1000
Inductance	mH/km	0.3
Capacitance (C/C)	pF/m	79
Operating Temperature	°C	-20 ~ 80
Insulation resistance	GΩ · km	> 2
Characteristic Impedance	Ω	60

# Shielded Flame Retardant Data Cable



## Descriptions

- Multipair twisted cable with Aluminum Mylar Tape shield and drain wire
- Conductor: IEC 60228 (Class 2/Class 5) or ASTM (B 3/B 33)
- PVC/XLPE/LSZH insulation and FR-PVC/LSZH Jacket (other options are available upon request)
- Packaged on Wooden Reel
- RoHS compliant
- Compliant to IEC 60332-1

## Applications

- Internal wiring of electronic equipment, transmission measurement and control signals with minimum noise
- Industrial, Data, Interconnect
- Public Address, BMS systems
- Optimized for Fire Alarm systems



## Part Numbers

Product Type	Part Number	Description
Shielded Flame Retardant	LS-SFRT-XX-YYY-AB	Multipair Shielded Flame Retardant Data Cable

\***XX** denotes number of core: **01**(1 core), **02**(2 cores), **03**(3 cores), ...

\***YYY** denotes conductor size: : **075**(0.75 mm2), **100**(1.00 mm2), **150**(1.50 mm2), **250**(2.50 mm2), **14A**(14 AWG), **16A**(16 AWG), **18A**(18 AWG), ... (other sizes are available upon request)

\***A** denotes insulation material : **V**(PVC), **X**(XLPE), **Z**(LSZH), **E**(PE), **F**(FEP) ...

\***B** denotes jacket material : **V**(PVC), **F**(FR-PVC), **Z**(LSZH), ...

## Technical Details

Item	Unit	PVC / LSZH
Working Voltage	V	600/1000
Inductance	mH/km	0.3
Capacitance (C/C)	pF/m	79
Operating Temperature	°C	-20 ~ 80
Insulation resistance	GΩ · km	> 2
Characteristic Impedance	Ω	60



# Unshielded Fire Resistant Data Cable



## Descriptions

- A i hjdUf tk jghYX WwY k Jh A JwHJdy
- 7cbXi VtrF: 97 \* \$&& 17Ugg &#7Ugg) EcF5GHA 16" #6" ' L
- DJ 7 #L@d9#@GN< Jbg 'Uhc b UbX : fl DJ 7 #&GN< :JwYhfh AYf cdhcbg UYf Uj UjwY1 dcb fYei Ygt.
- DUWUj YX cb K ccXyb FYY
- Fc GWea d JUbh
- 7ca d JUbht: 97 \* \$' ' %UbX 6G \*', +7K N

## Applications

- Internal wiring of electronic equipment, transmission measurement and control signals with minimum noise
- Industrial, Data, Interconnect
- Public Address, BMS systems
- Optimized for Fire Alarm systems

## Part Numbers

Product Type	Part Number	Description
Unshielded Fire Resistant	LS-UFRS-XX-YYY-AB	Multipair Unshielded Fire Resistant Data Cable

\*XX denotes number of core: **01**(1 core), **02**(2 cores), **03**(3 cores), ...

\*YYY denotes conductor size : **075**(0.75 mm2), **100**(1.00 mm2), **150**(1.50 mm2), **250**(2.50 mm2), **14A**(14 AWG), **16A**(16 AWG), **18A**(18 AWG), ... (other sizes are available upon request)

\*A denotes insulation material : **V**(PVC), **X**(XLPE), **Z**(LSZH), **E**(PE), **F**(FEP),...

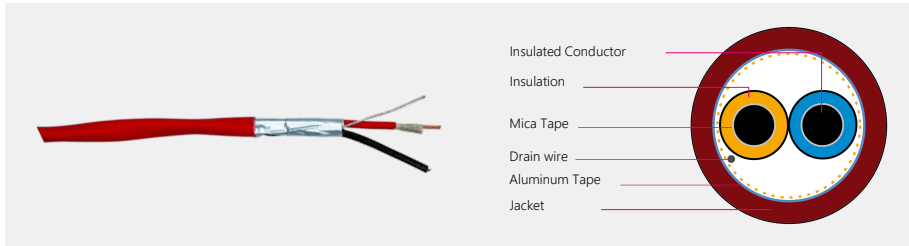
\*B denotes jacket material : **V**(PVC), **F**(FR-PVC), **Z**(LSZH), ...

## Technical Details

Item	Unit	PVC / LSZH
Working Voltage	V	600/1000
Inductance	mH/km	0.3
Capacitance (C/C)	pF/m	79
Operating Temperature	°C	-20 ~ 80
Insulation resistance	GΩ · km	> 2
Characteristic Impedance	Ω	60



# Shielded Fire Resistant Data Cable



## Descriptions

- A i HgUjF Hk jgHY WvY k Jh A JwHudYz5 i a Jbi a A mUf HudY g\JY X UbX XfUj k JY
- 7cbXI Wicf: 97 \*S&& F7 Ugg&#7 Ugg) Ecf 5GHA 16 \* #6 \* \* E
- DJ 7AL @D9##GN< Jbg Uijcb UbX : fl DJ 7##GN< :UWYhft hYf cdJcbgUfY Uj UjUWY i dcb FYei Ygt
- DUWUj YX cb K ccXYb FYF
- Fc<G'Wa d'Jbh
- 7ca d'Jbhtr :97 \*S \* %LbX 6G \*\* , +7K N

## Applications

- Internal wiring of electronic equipment, transmission measurement and control signals with minimum noise
- Industrial, Data, Interconnect
- Public Address, BMS systems
- Optimized for Fire Alarm systems

## Part Numbers

Product Type	Part Number	Description
Shielded Fire Resistant	LS-SFRS-XX-YYY-AB	Multipair Shielded Fire Resistant Data Cable

\*XX denotes number of core: **01**(1 core), **02**(2 cores), **03**(3 cores), ...

\*YYY denotes conductor size: **075**(0.75 mm<sup>2</sup>), **100**(1.00 mm<sup>2</sup>), **150**(1.50 mm<sup>2</sup>), **250**(2.50 mm<sup>2</sup>), **14A**(14 AWG), **16A**(16 AWG), **18A**(18 AWG), ... (other sizes are available upon request)

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\*B denotes jacket material : **V**(PVC), **F**(FR-PVC), **Z**(LSZH), ...

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Characteristic Impedance	Ω	60

# GLOBAL NETWORK

More than 60 Factories,  
Sales and Production Sites  
in 20 Countries.

- Factory
- Sales office
- Branch office



## KOREA



### Gumi Plant

EHV / MV / LV cable  
UTP, Coaxial cable  
SCR, Magnet wire  
Overhead cable, Bus duct



### Indong Plant

Optical fiber  
Optical cable



### Donghae Plant

Submarine cable  
Industrial specialty cable

## CHINA



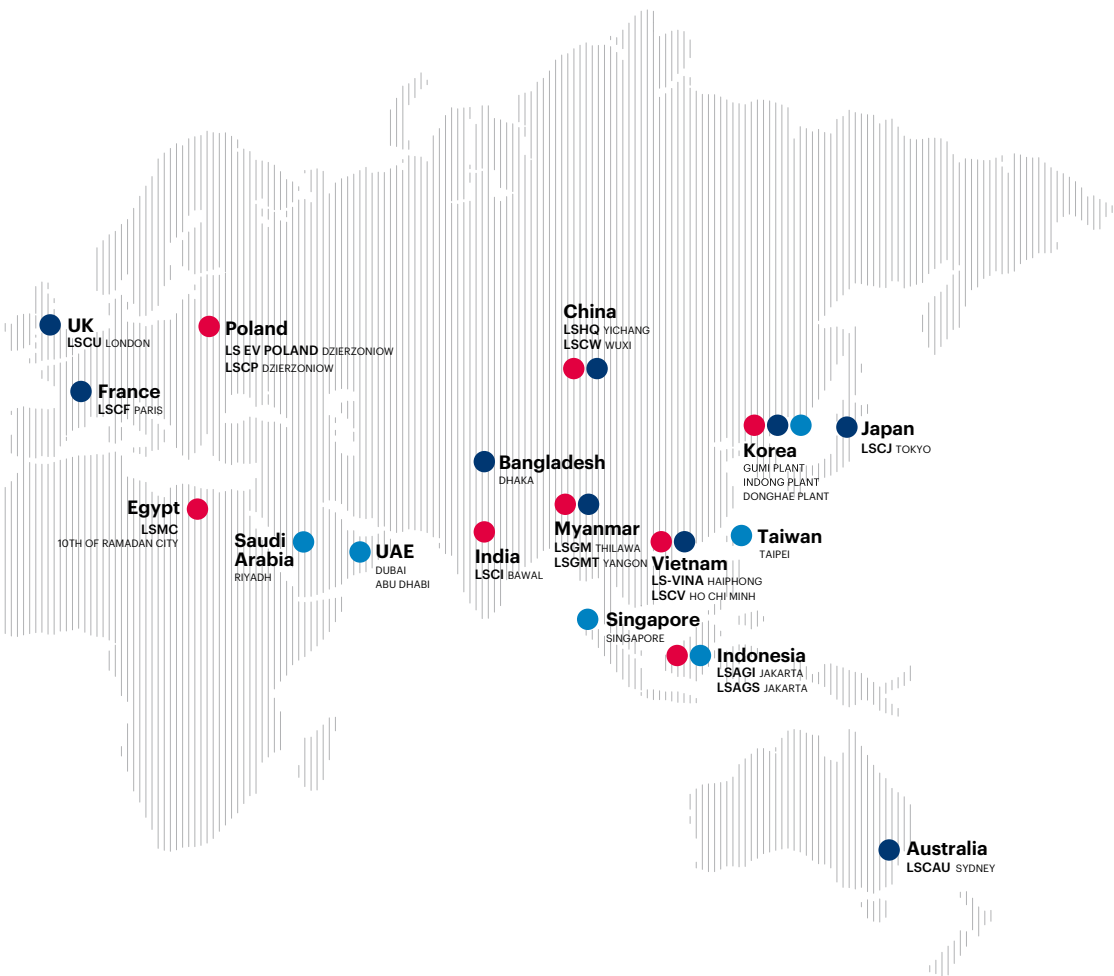
### LSHQ(Yichang)

EHV / MV / LV cable  
Industrial specialty cable



### LSCW(Wuxi)

Industrial devices cable  
Automotive cable  
Harness & module  
Aluminum, Bus duct



#### VIETNAM



##### LS-VINA(Haiphong)

EHV / MV / LV cable  
SCR, ACSR  
Overhead cable



##### LSCV(HO Chi Minh)

MV / LV cable  
UTP, Optical cable  
Overhead cable

#### INDIA



##### LSCI(Bawal)

EHV / MV / LV cable  
Coaxial cable  
Overhead cable

#### USA



##### LSCUS(Tarboro)

MV / LV cable  
Control, Instrument cable

#### POLAND



##### LS EV Poland./LSCP (Dzierzoniow)

Automotive battery components  
Optical cable

# LS Simple™ Warranty

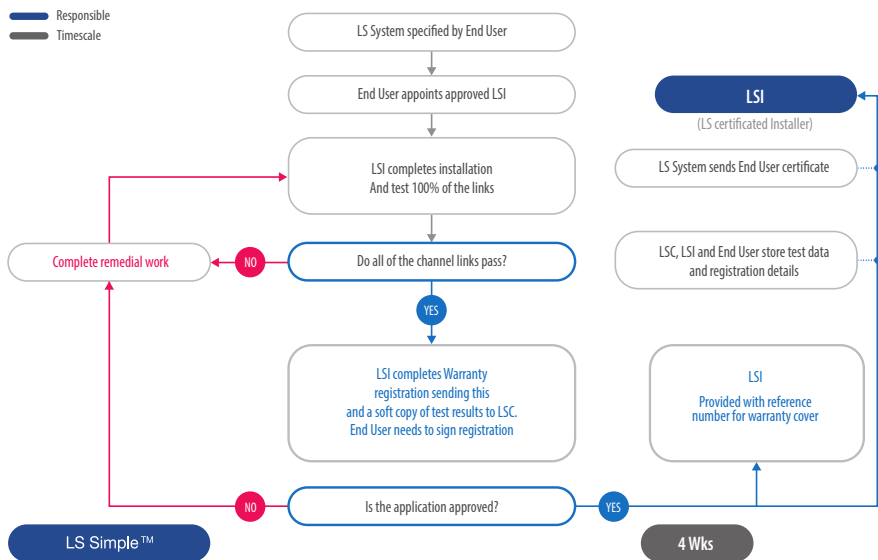
## LS Simple™ Warranty

The Simple™ range of solutions is supported by a Simple™ comprehensive warranty

- Unique 25 year application and product warranty.
- The warranty applied to the network and can be sold as an asset.
- The warranty is only offered by fully trained LS Integrators.
- The system is independently inspected by a third party.



## LS Simple™ Warranty Process





**LS** Cable & System

[www.lscv.com.vn](http://www.lscv.com.vn)

**LS CABLE & SYSTEM - SAHAKO Data Cable**

Nhon Trach 2 - Loc Khang Industrial Zone, Nhon Trach District, Dong Nai Province, Vietnam

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