



[www.kiseong.co.kr](http://www.kiseong.co.kr)



# Over 50 Years of Green Leadership in Electric Wire and Cable

Established in 1972, KS Cable is a company manufacturing electric wires and cables for more than 50 years. We deeply not only focus on reliable partnership but also continue endless R&D efforts to manufacture premium-quality products.

The extraordinary quality of our products has been greatly recognized by major leading electronic companies. For example, we have proudly supplied our high-quality products to LG Electronics over the 25 years.

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## OVER 50 YEARS of KISEONG CABLE

Established in 1972, KISEONG CABLE is a company manufacturing electric wires and cables during about 50 years. We deeply not only focus on reliable partnership but also continue endless R&D efforts to manufacture premium quality products.



Over 50 Years of Green Leadership



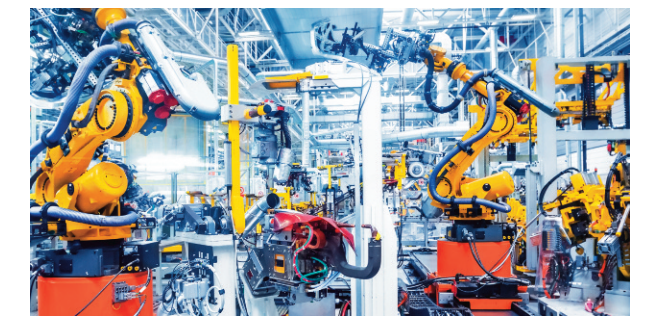
Over 50 Years of Premium Quality



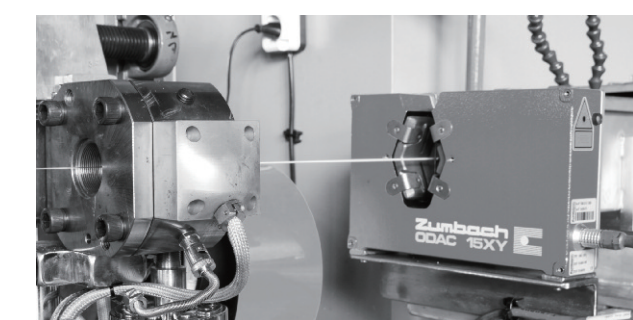
Over 50 Years of Harmony



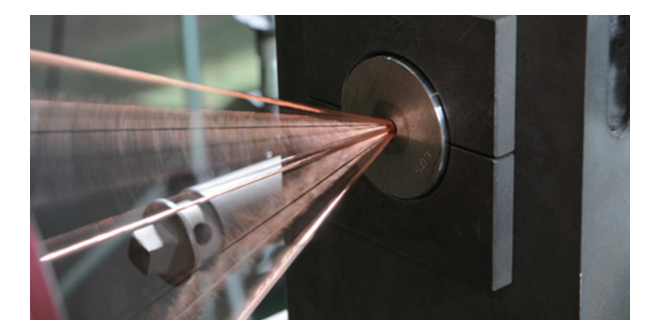
Over 50 Years of Enthusiasm



Over 50 Years of Innovation



Over 50 Years of Technology



Over 50 Years of Wire & Cable



INCORPORATION  
**KISEONG CABLE**

INCORPORATION  
**FITS CABLE**



KISEONG CABLE Head Office

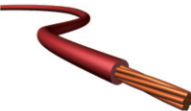



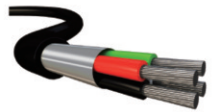









INNO Center / COIL Center



# PRODUCTS & CERTIFICATES

# FACILITY and MAJOR CUSTOMERS

	<b>INSULATED WIRE</b> IEC 01 (V) / 02 (KV) / 05 / 06 (VSF) / 07 (HIV) / 08 (HVSF)		<b>FLEXIBLE CORD CABLE</b> IEC 53 (VCTF) / IEC 57 (HVCTF)
	<b>CONTROL CABLE</b> VCT / CW-SB		<b>RUBBER CABLE</b> PNCT / CTF / WCT
	<b>DATA CABLE</b> Data Cable / Screened Data Cable / Coaxial Cable		<b>UL CABLE</b> 1007 / 1015 / 1569 / 1061 / 2464 / 3321 / 3398 / 1283 / 1284 / 11028 and more
	<b>IRRADIATED CABLE</b> HFIX / APEX / APEX-R and more		<b>CO<sub>2</sub> Single CABLE</b>
	<b>POWER CABLE</b> TFR-CV / TFR-GV / CVF and more		<b>LAN CABLE</b> UTP CAT.5e / CAT.6 / CAT.7
	<b>COPPER</b> 2.6mm / Bare Copper Stranded Wire / Tinned Copper Wire		<b>SPECIAL CABLE</b> ESS Cable(NSGAFOU 3KV)

## CERTIFICATION



## TRACEBILITY : TOMIS

- Traceability is our biggest advantage for clients.
- Through TOMIS (Total Operation Management Information System), using wireless PDA and Barcode, we can track all available information relating 4M (Men, Machine, Method, and Material) and products in real time.



NAME	SPEC	NUMBER
Rod Breakdown Drawing Line	11D	1
Annealing Drawing Machine	17D	1
Non Annealing Drawing Machine	9D	2
Annealing Drawing Machine	18D	4
Annealing Drawing Machine	20D	15
Drawing Machine	22D	11
Electroplater	50 Line	1
	40 Line	1
Buncher	Ø800	2
	Ø630	24
	Ø500 X 19B	1
	Ø530 X 7B	1
Twist Stranding Machine	Ø530 X 11B	1
	Ø530 X 18B	1
	Ø530 X 30B	1
Buncher	Ø1,200 X 4B	3
	65mm	2
	70mm	1
PVC Extrusion Machine	80mm	5
	90mm	1
	100mm	3
RUBBER Extrusion Machine	120mm	1
	75mm	1
Total		84

MONTHLY PRODUCTION CAPACITY about **500 tons**

NAME	NUMBER
UTP Insulating Machine	2
Twist Stranding Machine	15
Buncher	1
Group Twinner	2
90mm Extrusion Machine	1
Rewinder	2
DCM Machine	1
FLUKE Machine	1
Total	25

We are operating with the world's leading cable machine suppliers such as SAMP, Niehoff, Zumbach, and Beta.



## MAJOR CUSTOMERS and PARTNERS





# The KS Ways



## The KS Philosophy

At KS CABLE, we follow a simple business philosophy: to devote our talent and technology to creating superior products and services that contribute to a partner. Every day, our people bring this philosophy to life. Our leaders search for the brightest talent from around the world, and give them the resources they need to be the best at what they do. The result is that all of our products have the power to enrich lives.

## The KS Values

We believe that living by strong values is the key to good business. At KS CABLE, a rigorous code of conduct and these five core values below are at the heart of every decision we make.

### People

Quite simply, a company is its people. At KS CABLE, we're dedicated to giving our people a wealth of opportunities to reach their full potential.

### Excellence

Everything we do at KS CABLE is driven by an unyielding passion for excellence—and an unfaltering commitment to develop the best products and services on the market.

### Change

In today's fast-paced global economy, change is constant and innovation is critical to a company's survival. As we have done for 50 years, we set our sights on the future, anticipating market needs and demands so we can steer our company toward long-term success.

### Integrity

Operating in an ethical way is the foundation of our business. Everything we do is guided by a moral compass that ensures fairness, respect for all stakeholders and complete transparency.

### Co-prosperity

A business cannot be successful unless it creates prosperity and opportunity for others. KS CABLE is dedicated to being a socially and environmentally responsible corporate citizen in every community where we operate around the globe.



# History of Company



## 1970's

### Start-Up Period

1972 Established of Kiseong Electric Wire

## 1980's

### Take-Off period

1980 M&A with Sam-A Electric Wire  
1984 M&A with Jeil Electric Wire  
1987 KS CABLE won the KS (Korea Standard) Certifications

## 1990's

### Growth Period

1995 Designation as a Promising SME (Industrial Bank of Korea)  
1996 KS CABLE won the TE Mark  
1998 KS CABLE received "Best Mid-Size Company Award of The Year" from Busan Metropolitan City  
1999 KS CABLE acquired the UL and CSA certification and current plant manager received "outstanding craftsmen" from Small and Medium Business Administration

## 2000's

### Preparation Period for Sustainable Growth

2001 KS CABLE was honorably awarded "Excellent Tax Payer Award of The Year" from the National Tax Service  
2004 KS CABLE was honorably awarded "Excellent Tax Payer Award of The Year" from the National Tax Service and started to manufacture eco-friendly (Lead-Free; RoHS) products at the first in Korea.  
2005 KS CABLE was honorably awarded "Excellent Tax Payer Award of The Year" from the National Tax Service  
2006 KS CABLE changed the Korea Standards into the IEC Standards  
2009 KS CABLE established a R&D Center

## 2010's

### Innovation Period for Sustainable Growth

2011 New CI (Corporate Image) Launched  
2011 Acquired ISO 9001 Certification  
2011 KS CABLE earned INNO-BIZ Certification  
2011 KS CABLE received Best Ventrue Corporate Certification  
2014 Obtained PSE Certification in Japan  
2014 Acquired ISO 14001 Certification  
2014 Acquired European CE Certification  
2014 Launched TOMIS (Total Operation Management Information System)  
2015 Launched KS Groupware and Barcode System  
2017 Released CV/GV Cable  
2017 Started Smoke-Free Factory  
2018 Won Excellent Quality Award  
2018 Won Industrial Peace Award  
2019 Obtained JIS Certification 2019 in Japan  
2019 Established of FITS CABLE  
2019 KS CABLE was honorably awarded "Excellent Tax Payer Award of The Year" from the National Tax Service  
2019 Completed of the Ino Center  
2019 Completed of the Coil Center  
2020 Established of Vision Center



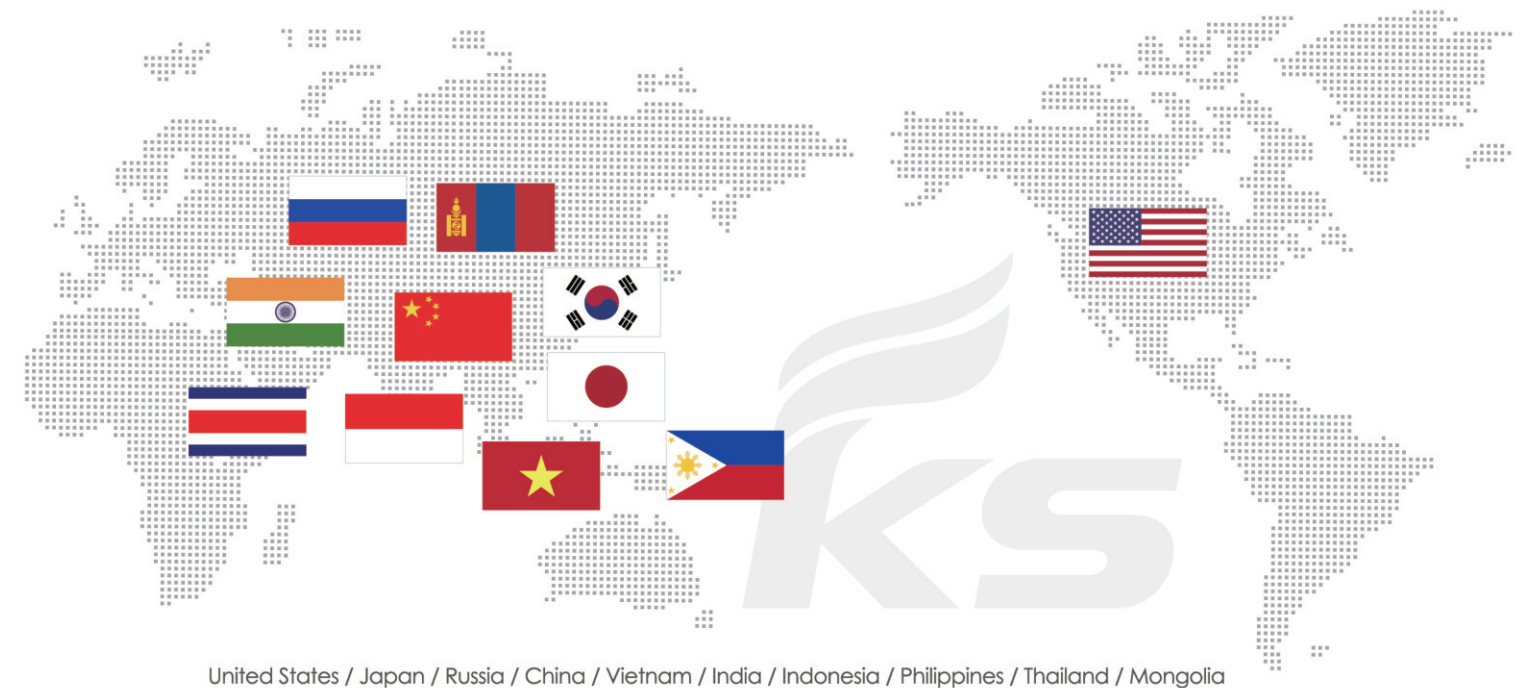
## Kiseong cable's Only Advantages

1. Korea's No. 1 Appliance cable company
2. Diverse product lines(LV/MV/HV/UTP/COIL)
3. Industry's first eco-friendly product production
4. Sufficient inventory(about 5 billion won in inventory)
5. Fast and accurate delivery
6. Industry's first full-product barcode management
7. Having various overseas certifications



## KISEONG WORLDWIDE

KISEONG CABLE's products are increasing its status in the Korean Cable by exporting a variety of products that have been thoroughly verified with overseas certification not only in Korea but also in the U.S., Japan, Russia, China, Vietnam, India, Indonesia, the Philippines, Thailand, and Mongolia.



United States / Japan / Russia / China / Vietnam / India / Indonesia / Philippines / Thailand / Mongolia

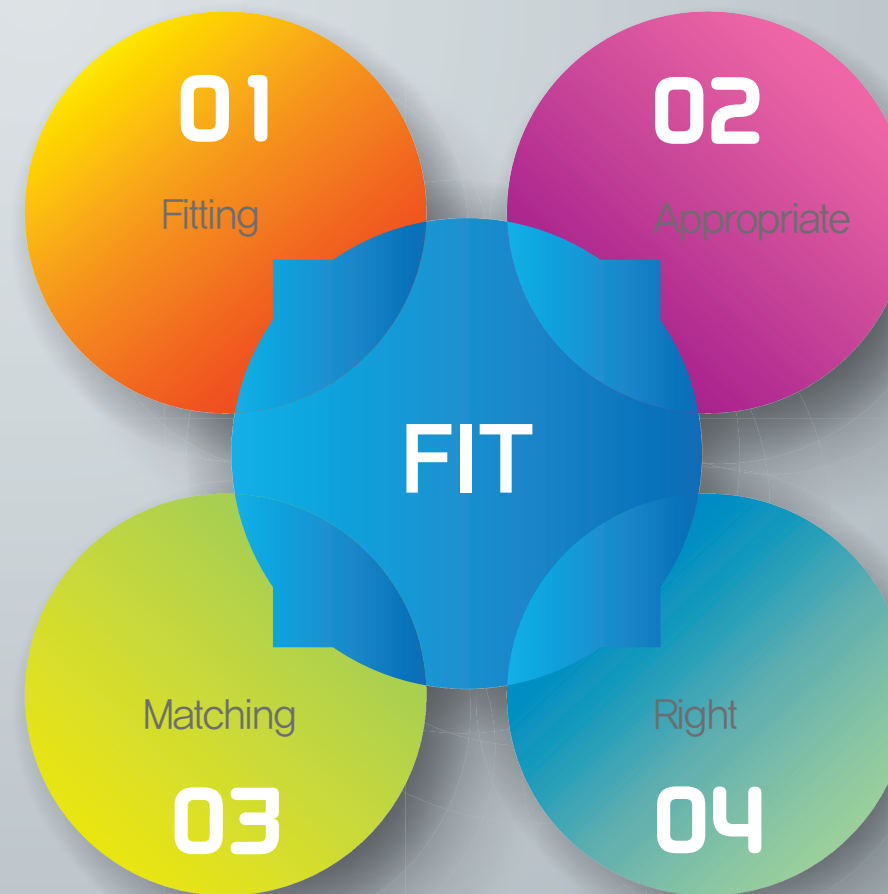


# FITS



NEW FA CABLE by KISEONG

# FITS CABLE



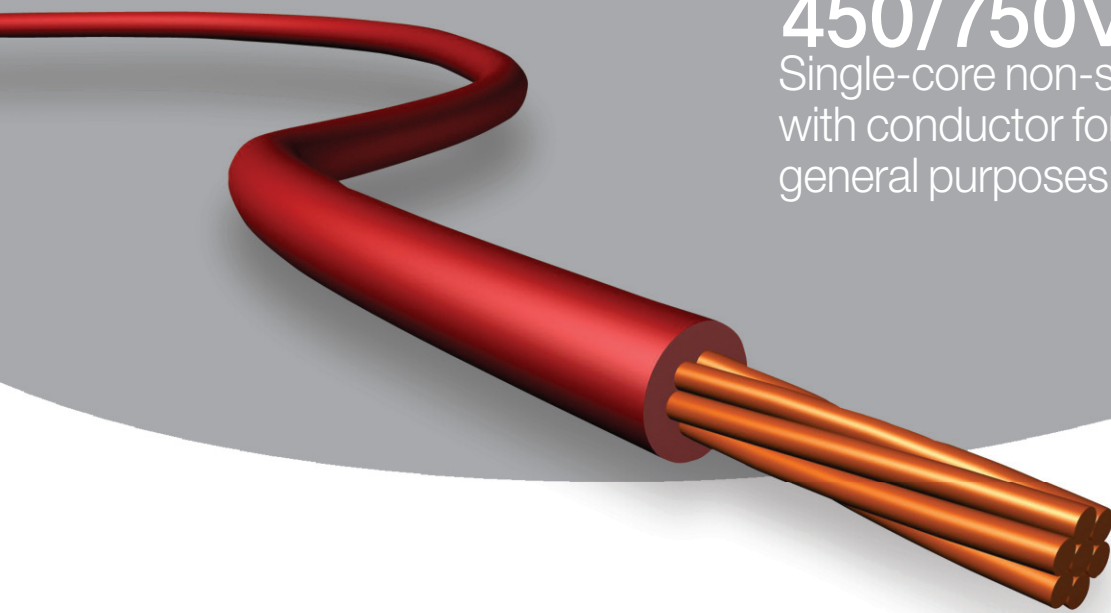
- FITS CABLE, the brand that specializes in control lines and instrument lines used for Factory Automation (FA) in KISEONG CABLE.
- This is FITS CABLE, which develops cables that are suitable for various needs in your industry environment.



# Product\_INSULATED WIRE

## 450/750V

Single-core non-sheathed cable with conductor for general purposes (IV)



60227 KS IEC 01 (IV)

Nominal cross-sectional area	Conductor		Thickness of insulation Specified value	Mean overall diameter		Max. Conductor Resistance at 20°C	Minimum insulation resistance at 70°C	Test Voltage	Approx. Weight	Packing Length
	Maximum Diameter of wire	Approx. Diameter		Lower limit	Upper limit					
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	Ω/km	Ω/km	V/5min	kg/km	m
1.5	1/1.38	1.38	0.7	2.6	3.2	12.1	0.011	2,500	20	300
2.5	1/1.78	1.78	0.8	3.2	3.9	7.41	0.010		35	
4.0	1/2.25	2.25	0.8	3.6	4.4	4.61	0.0085		50	
6.0	1/2.76	2.76	0.8	4.1	5.0	3.08	0.007		70	
10	1/3.57	3.57	1.0	5.3	6.4	1.83	0.007	115		
1.5	7/0.53	1.59	0.7	2.7	3.3	12.1	0.010	2,500	25	300
2.5	7/0.67	2.01	0.8	3.3	4.0	7.41	0.009		35	
4.0	7/0.85	2.55	0.8	3.8	4.6	3.08	0.0077		55	
6.0	7/1.04	3.12	0.8	4.3	5.2	4.61	0.0065		75	
10	7/1.35	4.05	1.0	5.6	6.7	1.83	0.0065		120	
16		4.7	1.0	6.4	7.8	1.15	0.0050		170	
25		5.9	1.2	8.1	9.7	0.727	0.0050		270	
35		7.0	1.2	9.0	10.9	0.524	0.0040		370	
50		8.5	1.4	10.6	12.8	0.387	0.0045		510	
70		9.8	1.4	12.1	14.6	0.268	0.0035		685	
95	Class 2 Conductor	11.5	1.6	14.1	17.1	0.193	0.0035		935	
120		13.0	1.6	15.6	18.8	0.153	0.0032		1,170	
150		14.6	1.8	17.3	20.9	0.124	0.0032		1,450	
185		16.1	2.0	19.3	23.3	0.0991	0.0032		1,820	
240		18.5	2.0	22	26.6	0.0754	0.0032		2,305	
300		20.5	2.4	24.5	29.6	0.0601	0.0030		2,925	
400		24.1	2.6	27.5	33.2	0.047	0.0028	3,820		

### Application

This electric wire is suitable for wiring inside of house or building under 450/750V.

### Construction

Conductor : Single line(Class 1) or Stranded wire(Class 2)  
Insulation : PVC/C

### Temperature Rating

70°C

### Color

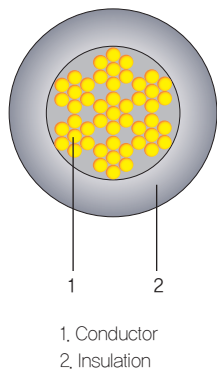
Black, White, Red, Green, Yellow, Blue

### Standard

KS C IEC 60227-3

### Marking

KTC HB01002-16027A KC 60227-3 450/750V 60227 KS IEC 01 00mm<sup>2</sup>  
KISEONG 0000 MADE IN KOREA

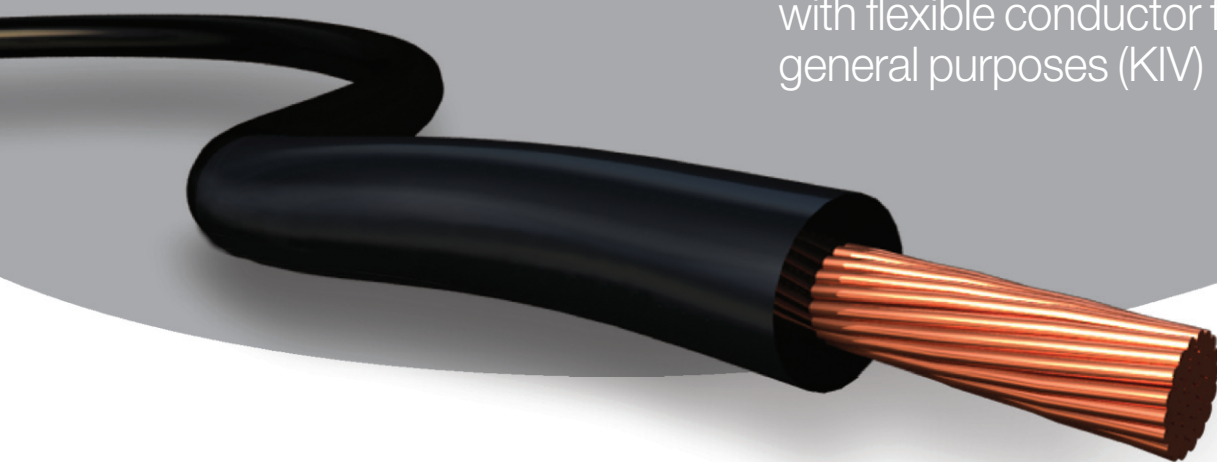




# Product\_INSULATED WIRE

## 450/750V

Single-core non-sheathed cable with flexible conductor for general purposes (KIV)



### Application

This electric wire is suitable for wiring inside of house or building under 450/750V.

### Construction

Conductor : Flexible Stranded Annealed Copper (Class 5)  
Insulation : PVC/C

### Color

Black, White, Red, Green, Yellow, Blue, and Green / Yellow (special color available upon request)

### Temperature Rating

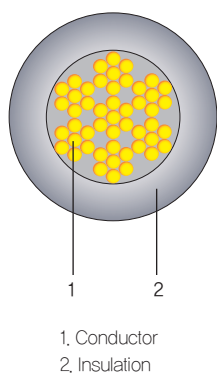
70°C

### Standard

KS C IEC 60227-3

### Marking

Ⓢ KS C IEC 60227-3 450/750V 60227 KS IEC 02 00mm<sup>2</sup> KISEONG 0000 RoHS (KIV)  
CE MADE IN KOREA



450/750V 60227 KS IEC 02 (KIV)

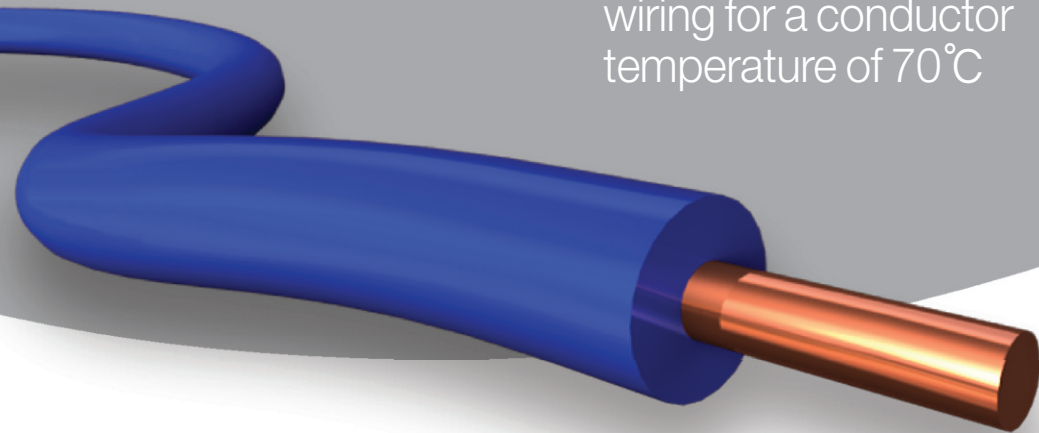
Conductor			Thickness of insulation Specified value	Mean overall diameter		Max. Conductor Resistance at 20°C		Minimum insulation resistance at 70°C	Approx. Weight	Packing Length
Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter		Lower limit	Upper limit	Copper	Tinned			
mm <sup>2</sup>	mm	mm	mm	mm	mm	Ω/km	Ω/km	MΩ/km	kg/km	m
1.5	1.6	1.4	0.7	2.8	3.4	13.3	13.7	0.010	30	200
2.5	2.1	1.8	0.8	3.4	4.1	7.98	8.21	0.009	40	200
4.0	2.6	2.3	0.8	3.9	4.8	4.95	5.09	0.007	50	100
6.0	3.6	2.8	0.8	4.4	5.3	3.30	3.39	0.006	80	100
10	4.8	3.6	1.0	5.7	6.8	1.91	1.95	0.0056	130	100
16	6.0	4.5	1.0	6.7	8.1	1.21	1.24	0.0046	180	100
25	7.4	5.6	1.2	8.4	10.2	0.780	0.795	0.0044	280	100
35	8.7	6.7	1.2	9.7	11.7	0.554	0.565	0.0038	370	100
50	10.4	8.0	1.4	11.5	13.9	0.386	0.393	0.0037	500	100
70	12.5	9.4	1.4	13.2	16.0	0.272	0.277	0.0032	700	100
95	14.5	11.0	1.6	15.1	18.2	0.206	0.210	0.0032	970	100
120	16.2	12.4	1.6	16.7	20.2	0.161	0.164	0.0029	1200	100
150	18.2	13.8	1.8	18.6	22.5	0.129	0.132	0.0029	1490	100
185	20.2	15.3	2.0	20.6	24.9	0.106	0.108	0.0029	1850	100
240	23.3	17.5	2.2	23.5	28.4	0.0801	0.0817	0.0028	2440	200



# Product\_INSULATED WIRE

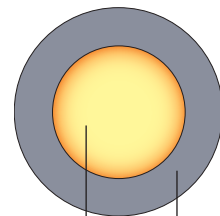
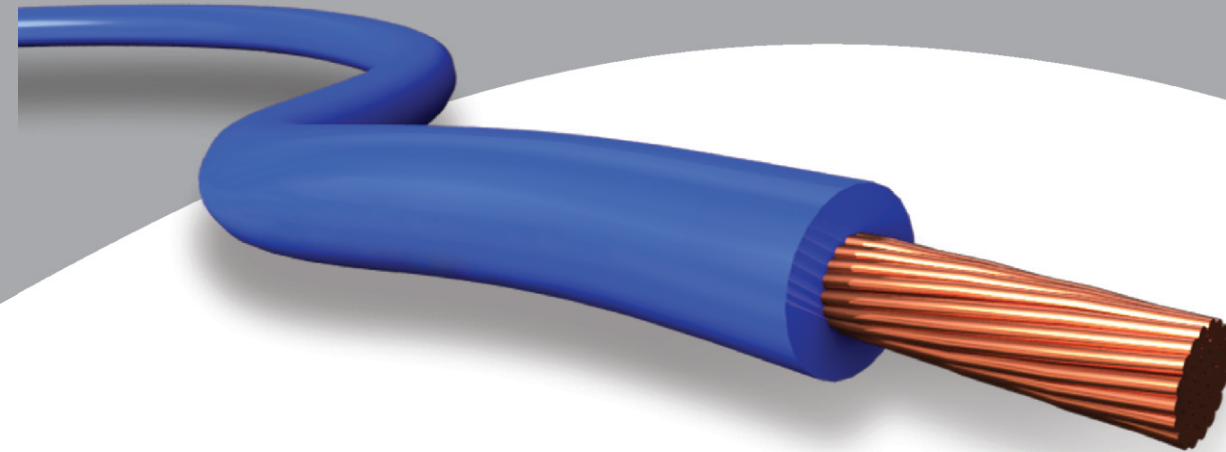
## 300/500V

Single-core non-sheathed cable with solid conductor for internal wiring for a conductor temperature of 70°C



## 300/500V

Single-core non-sheathed cable with flexible conductor for internal wiring for a conductor temperature of 70°C (VSF)



1, Conductor  
2, Insulation

### Application

This wire is for wiring distributing line and electrical equipment under 300/500V.

### Construction

Conductor : Solid Conductor (Class 1) / Insulation : PVC/C

### Color

Black, White, Red, Green, Brown, Yellow, Blue, and Green / Yellow (special color available upon request)

### Temperature Rating

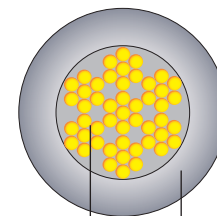
70°C

### Standard

KS C IEC 60227-3

### Marking

Ⓢ KS C IEC 60227-3 300/500V 60227 KS IEC 05 00mm<sup>2</sup> KISEONG 0000 RoHS  
MADE IN KOREA



1, Conductor  
2, Insulation

### Application

This electric wire is suitable for wiring distributing line and electrical equipment under AC 300/500V.

### Construction

Conductor : Flexible Stranded Annealed Copper (Class 5) / Insulation : PVC/C

### Color

Black, White, Red, Green, Brown, Yellow, Blue, and Green / Yellow (special color available upon request)

### Temperature Rating

70°C

### Standard

KS C IEC 60227-3

### Marking

Ⓢ KS C IEC 60227-3 300/500V 60227 KS IEC 06 H05V-K 00mm<sup>2</sup> KISEONG YYYY RoHS (VSF)  
CE MADE IN KOREA

### 300/500V 60227 KS IEC 05

Conductor			Thickness of insulation Specified value	Mean overall diameter		Max. Conductor Resistance at 20°C		Minimum insulation resistance at 70°C	Approx. Weight	Packing Length
Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter		Lower limit	Upper limit	Copper	Tinned			
						Ω/km	Ω/km			
0.5	-	0.8	0.6	1.9	2.3	36.0	36.7	0.015	10	500
0.75	-	1.0	0.6	2.1	2.5	24.5	24.8	0.012	13	500
1.0	-	1.1	0.6	2.2	2.7	18.1	18.2	0.011	15	200

### 300/500V 60227 KS IEC 06 (VSF)

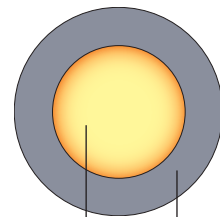
Conductor			Thickness of insulation Specified value	Mean overall diameter		Max. Conductor Resistance at 20°C		Minimum insulation resistance at 70°C	Approx. Weight	Packing Length
Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter		Lower limit	Upper limit	Copper	Tinned			
						Ω/km	Ω/km			
0.5	0.21	0.9	0.6	2.1	2.5	39.0	40.1	0.013	10	500
0.75	0.21	1.1	0.6	2.2	2.7	26.0	26.7	0.011	13	500
1.0	0.21	1.3	0.6	2.4	2.8	19.5	20.0	0.010	15	200



# Product\_INSULATED WIRE

## 300/500V

Single-core non-sheathed cable with solid conductor for internal wiring for a conductor temperature of 90°C



1, Conductor  
2, Insulation

### Application

This wire is for wiring distributing line and electrical equipment under 300/500V.

### Construction

Conductor : Solid Conductor (Class 1) / Insulation : PVC/E (Heat Resistant)

### Color

Black, White, Red, Green, Brown, Yellow, Blue, and Green / Yellow (special color available upon request)

### Temperature Rating

90°C

### Standard

KS C IEC 60227-3

### Marking

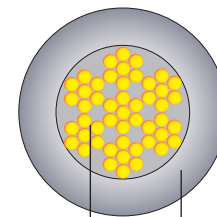
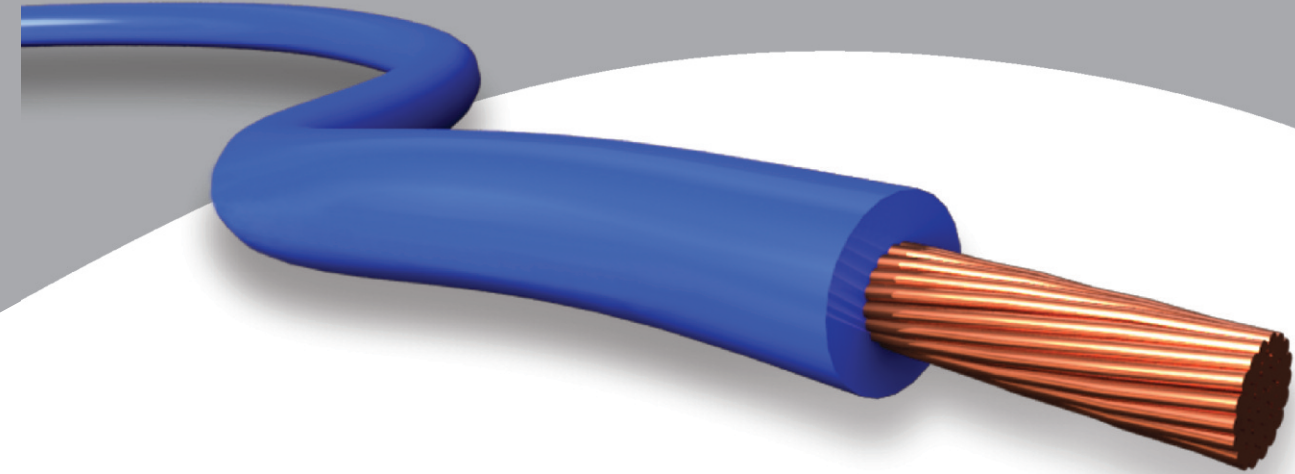
Ⓢ KS C IEC 60227-3 300/500V 60227 KS IEC 07 00mm<sup>2</sup> 90°C KISEONG 0000 RoHS  
MADE IN KOREA

300/500V 60227 KS IEC 07

Conductor			Thickness of insulation Specified value	Mean overall diameter		Max. Conductor Resistance at 20°C		Minimum insulation resistance at 70°C	Approx. Weight	Packing Length
Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter		Lower limit	Upper limit	Copper	Tinned			
mm <sup>2</sup>	mm	mm	mm	mm	mm	Ω/km	Ω/km	MΩ/km	kg/km	m
0.5	-	0.8	0.6	1.9	2.3	36.0	36.7	0.015	10	500
0.75	-	1.0	0.6	2.1	2.5	24.5	24.8	0.013	13	500
1.0	-	1.1	0.6	2.2	2.7	18.1	18.2	0.012	15	200
1.5	-	1.4	0.7	2.6	3.2	12.1	12.2	0.011	22	200
2.5	-	1.8	0.8	3.2	3.9	7.41	7.56	0.009	33	200

## 300/500V

Single-core non-sheathed cable with flexible conductor for internal wiring for a conductor temperature of 90°C (HVSF)



1, Conductor  
2, Insulation

### Application

This electric wire is suitable for wiring distributing line and electrical equipment under AC 300/500V.

### Construction

Conductor : Flexible Stranded Annealed Copper (Class 5)  
Insulation : PVC/E (Heat Resistant)

### Color

Black, White, Red, Green, Brown, Yellow, Blue, and Green / Yellow (special color available upon request)

### Temperature Rating

90°C

### Standard

KS C IEC 60227-3

### Marking

Ⓢ KS C IEC 60227-3 300/500V 60227 KS IEC 08 00mm<sup>2</sup> 90°C KISEONG 0000 RoHS (HVSF)  
CE MADE IN KOREA

300/500V 60227 KS IEC 08 (HVSF)

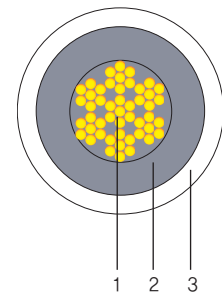
Conductor			Thickness of insulation Specified value	Mean overall diameter		Max. Conductor Resistance at 20°C		Minimum insulation resistance at 70°C	Approx. Weight	Packing Length
Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter		Lower limit	Upper limit	Copper	Tinned			
mm <sup>2</sup>	mm	mm	mm	mm	mm	Ω/km	Ω/km	MΩ/km	kg/km	m
0.5	0.21	0.9	0.6	2.1	2.5	39.0	40.1	0.013	10	500
0.75	0.21	1.1	0.6	2.2	2.7	26.0	26.7	0.012	13	500
1.0	0.21	1.3	0.6	2.4	2.8	19.5	20.0	0.010	15	200
1.5	0.26	1.6	0.7	2.8	3.4	13.3	13.7	0.009	22	200
2.5	0.26	2.1	0.8	3.4	4.1	7.98	8.21	0.009	33	200



Product\_FLEXIBLE CORD

**300/300V**  
Cord for indoor decorative lighting chains

DIW



1, Conductor  
2, 1st Insulation  
3, 2nd Insulation

**Application**

This wire is for vinyl insulated flexible cords under 300V.

**Construction**

Conductor : Flexible Stranded Annealed Copper (Class 5)  
Insulation : PVC (Dual Extrusion)

**Color**

Colors Requested

**Temperature Rating**

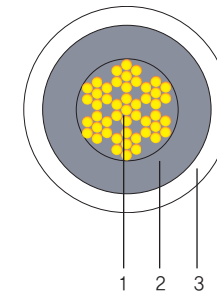
105°C

**Marking**

DIWF KISEONG 105°C 300V OOmm<sup>2</sup> LF 0000 MADE IN KOREA

DIW

Conductor		Thickness of insulation Specified value	Mean overall diameter	Max. Conductor Resistance	Test Voltage	Packing Length
Nominal cross-sectional area	Approx. Diameter					
mm <sup>2</sup>	mm	mm	mm	Ω/km	kg/km	m
0.5	0.9	1.2	3.2	39.0	8	500
0.75	0.11	1.2	3.4	26.0	10	500



1, Conductor  
2, 1st Insulation  
3, 2nd Insulation

**Application**

This wire is for vinyl insulated flexible cords under 300/300V.

**Construction**

Conductor : Flexible Stranded Annealed Copper (Class 5)  
Insulation : PVC/D (Dual Extrusion)

**Color**

Colors Requested

**Temperature Rating**

70°C

**Standard**

KS C IEC 60227-5

**Marking**

Ⓜ KS C IEC 60227-5 300/300V 60227 KS IEC 43 OOmm<sup>2</sup> KISEONG 0000 RoHS

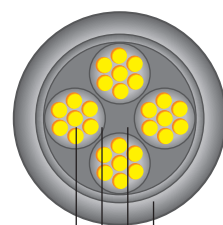
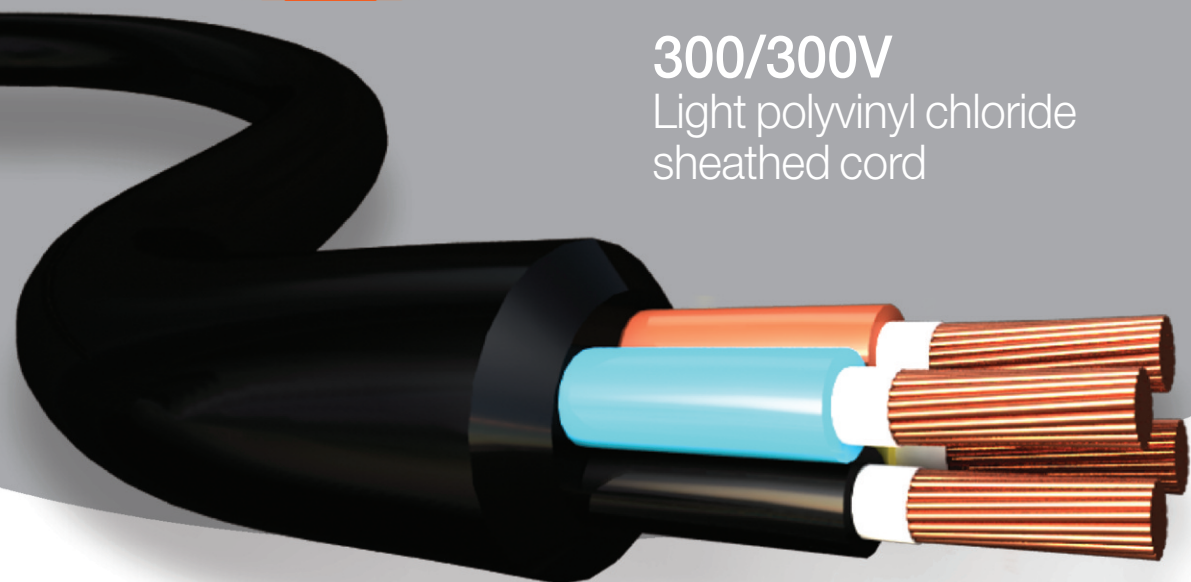
300/300V 60227 KS IEC 43

Conductor			Thickness of each layers of insulation Minimum value	Overall insulation thickness Minimum valu	Overall insulation thickness Mean value	Mean overall diameter		Max. Conductor Resistance at 20°C		Minimum insulation resistance at 70°C	Approx. Weight	Packing Length	
Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter				Lower limit	Upper limit	Copper	Tinned				
mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	mm	mm	Ω/km	Ω/km	MΩ/km	kg/km	m
0.5	0.21	0.9	0.2	0.6	0.7	2.3	2.7	39.0	40.1	0.014	10	500	
0.75	0.21	1.1	0.2	0.6	0.7	2.4	2.9	26.0	26.7	0.012	13	500	



# Product\_FLEXIBLE CORD

## 300/300V Light polyvinyl chloride sheathed cord



- 1, Conductor
- 2, Insulation
- 3, Filler
- 4, Sheath

### Application

This wire is for vinyl insulated flexible cords under 300/300V.

### Construction

Conductor : Flexible Stranded Annealed Copper (Class 5)  
Insulation : PVC/D / Sheath : PVC/ST5

### Color

2cores: Sky Blue, Brown  
3cores: Sky Blue, Brown, Green/Yellow  
4cores: Green/Yellow, Sky Blue, Black, Brown or Sky Blue, Brown, Black, Gray

### Temperature Rating

70°C

### Standard

KS C IEC 60227-5

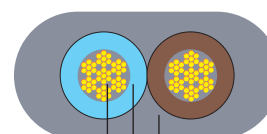
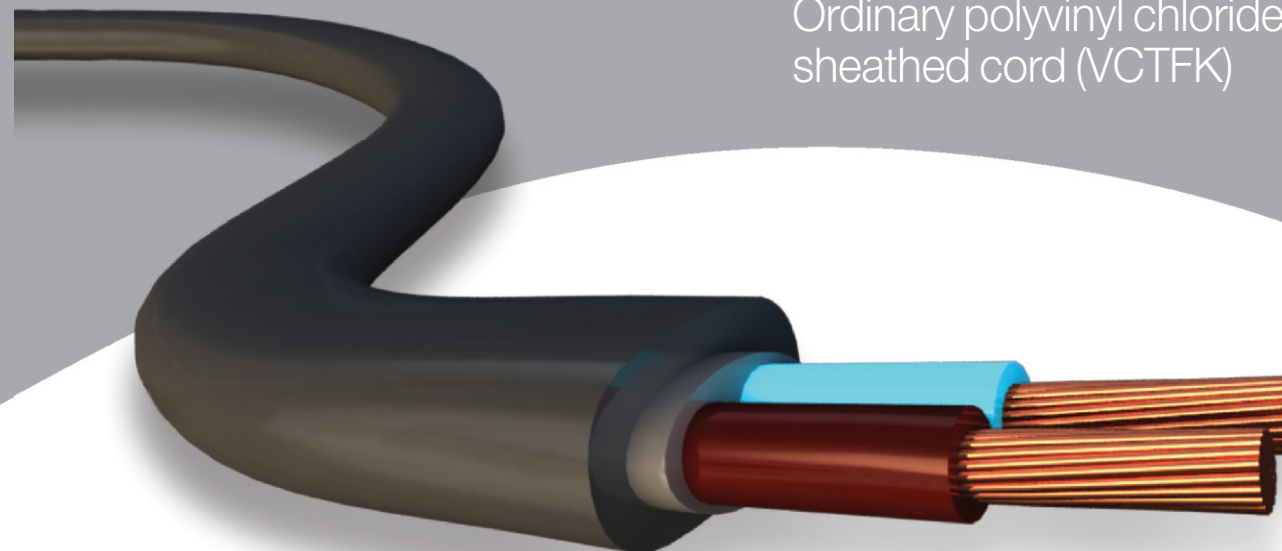
### Marking

Ⓜ KS C IEC 60227-5 300/300V 60227 KS IEC 52 00mm<sup>2</sup>×0C KISEONG 0000 RoHS  
MADE IN KOREA

300/300V 60227 KS IEC 52

Conductor			Thickness of insulation Specified value	Sheathed Thickness	Mean overall diameter		Max. Conductor Resistance at 20°C		Minimum insulation resistance at 70°C	Approx. Weight	Packing Length
Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter			Lower limit	Upper limit	Copper	Tinned			
mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	Ω/km	Ω/km	MΩ/km	kg/km	m
2 x 0.5	0.21	0.9	0.5	0.6	4.6 or 3.0x4.9	5.9 or 3.7x5.9	39.0	40.1	0.012	45	300
2 x 0.75	0.21	1.1	0.5	0.6	4.9 or 3.2x5.2	6.3 or 3.8x6.3	26.0	26.7	0.010	60	300
3 x 0.5	0.21	0.9	0.5	0.6	4.9	6.3	39.0	40.1	0.012	55	300
3 x 0.75	0.21	1.1	0.5	0.6	5.2	6.7	26.0	26.7	0.010	70	300

## 300/500V Ordinary polyvinyl chloride sheathed cord (VCTFK)



- 1, Conductor
- 2, Insulation
- 3, Sheath

### Application

This wire is for vinyl insulated flexible cords under 300/500V.

### Construction

Conductor : Flexible Stranded Annealed Copper (Class 5)  
Insulation : PVC/D / Sheath : PVC/ST5

### Color

2cores: Sky Blue, Brown

### Temperature Rating

70°C

### Standard

KS C IEC 60227-5

### Marking

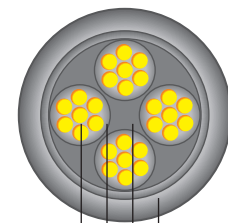
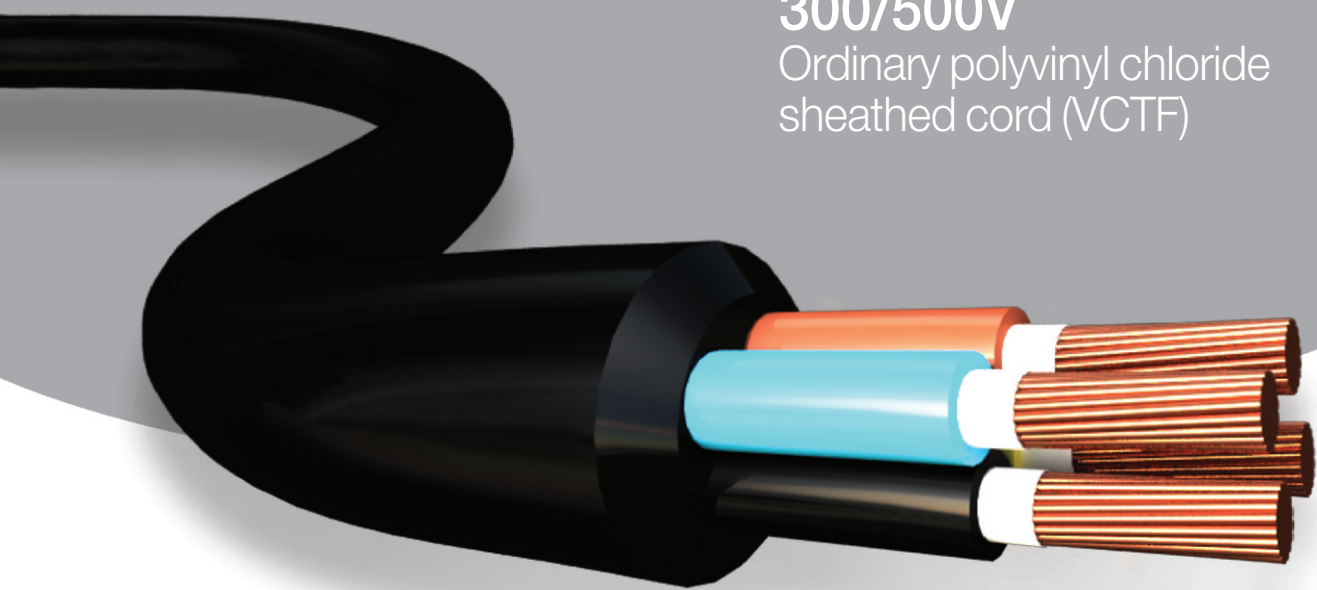
Ⓜ KS C IEC 60227-5 300/500V 60227 KS IEC 53 00mm<sup>2</sup>×0C KISEONG 0000 RoHS (VCTFK)  
CE MADE IN KOREA

300/500V 60227 KS IEC 53 (VCTFK)

Conductor			Thickness of insulation Specified value	Sheathed Thickness	Mean overall diameter		Max. Conductor Resistance at 20°C		Minimum insulation resistance at 70°C	Approx. Weight	Packing Length
Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter			Lower limit	Upper limit	Copper	Tinned			
mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	Ω/km	Ω/km	MΩ/km	kg/km	m
2 x 0.75	0.21	1.1	0.6	0.8	3.7 x 6.0	4.5 x 7.2	26.0	26.7	0.011	60	300



**300/500V**  
Ordinary polyvinyl chloride sheathed cord (VCTF)



- 1, Conductor
- 2, Insulation
- 3, Filler
- 4, Sheath

**Application**

This cord is generally used in electrical equipment, lighting, and home appliances under AC 300/500V.

**Construction**

Conductor : Flexible Stranded Annealed Copper (Class 5)  
Insulation : PVC/E  
Sheath : PVC/ST10

**Color**

2cores: Sky Blue, Brown  
3cores: Green/Yellow, Sky Blue, Brown or Brown, Black, Gray

**Temperature Rating**

90°C

**Standard**

KS C IEC 60227-5

**Marking**

Ⓜ KS C IEC 60227-5 300/500V 60227 KS IEC 53 00mm<sup>2</sup>×0C KISEONG 0000 RoHS (VCTF)

CE MADE IN KOREA

**300/500V 60227 KS IEC 53 (VCTF)**

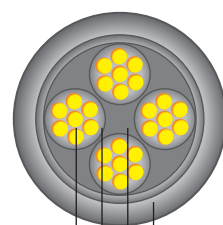
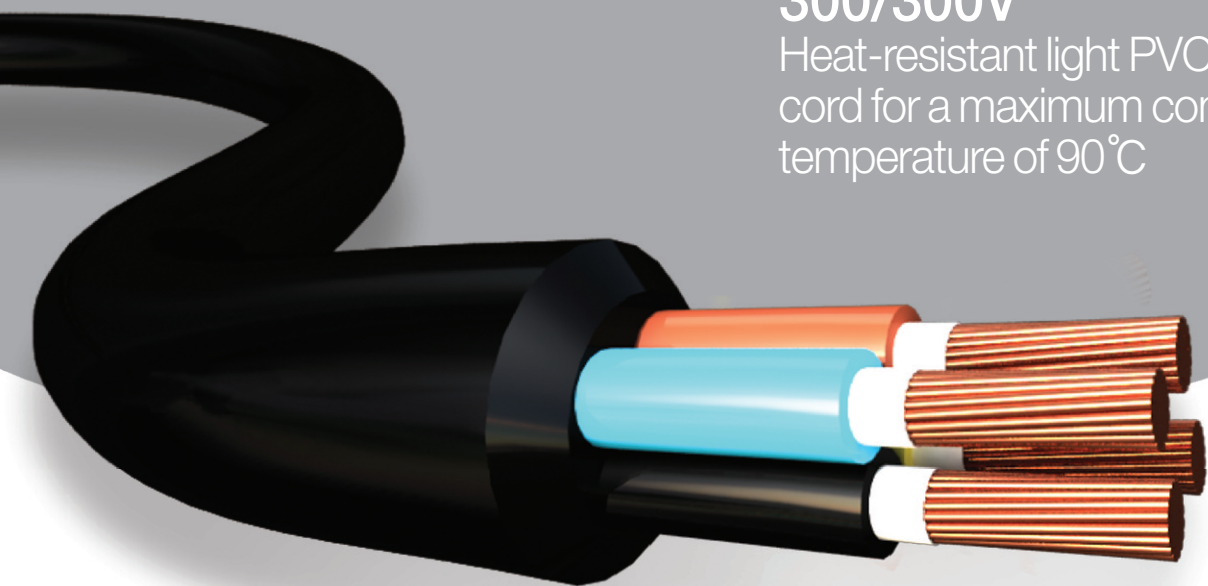
Conductor		Approx. Diameter	Thickness of insulation Specified value	Sheathed Thickness	Mean overall diameter		Max. Conductor Resistance at 20°C		Minimum insulation resistance at 70°C	Approx. Weight	Packing Length
Nominal cross-sectional area	Maximum Diameter of wire				Lower limit	Upper limit	Copper	Tinned			
mm <sup>2</sup>	mm	mm	mm	mm	mm	Ω/km	Ω/km	MΩ/km	kg/km	m	
2×0.75	0.21	1.1	0.6	0.8	5.7	7.2	26.0	26.7	0.011	60	300
2×1.0	0.21	1.3	0.6	0.8	5.9	7.5	19.5	20.0	0.010	70	300
2×1.5	0.26	1.6	0.7	0.8	6.8	8.6	13.3	13.7	0.010	95	300
2×2.5	0.26	2.1	0.8	1.0	8.4	10.6	7.98	8.21	0.009	145	300
3×0.75	0.21	1.1	0.6	0.8	6.0	7.6	26.0	26.7	0.011	70	300
3×1.0	0.21	1.3	0.6	0.8	6.3	8.0	19.5	20.0	0.010	85	300
3×1.5	0.26	1.6	0.7	0.9	7.4	9.4	13.3	13.7	0.010	115	300
3×2.5	0.26	2.1	0.8	1.1	9.2	11.4	7.98	8.21	0.009	170	300
4×0.75	0.21	1.1	0.6	0.8	6.6	8.3	26.0	26.7	0.011	85	300
4×1.0	0.21	1.3	0.6	0.9	7.1	9.0	19.5	20.0	0.010	105	300
4×1.5	0.26	1.6	0.7	1.0	8.4	10.5	13.3	13.7	0.010	140	300
4×2.5	0.26	2.1	0.8	1.1	10.1	12.5	7.98	8.21	0.009	215.0	300



# Product\_FLEXIBLE CORD

## 300/300V

Heat-resistant light PVC-sheathed cord for a maximum conductor temperature of 90°C



1 2 3 4

- 1, Conductor
- 2, Insulation
- 3, Filler
- 4, Sheath

### Application

This cord is generally used in electrical equipment, lighting, and home appliances under AC 300/500V.

### Construction

Conductor : Flexible Stranded Annealed Copper (Class 5)

Insulation : PVC/E

Sheath : PVC/ST10

### Color

2cores: Sky Blue, Brown

3cores: Green/Yellow, Sky Blue, Brown or Brown, Black, Gray

### Temperature Rating

90°C

### Standard

KS C IEC 60227-5

### Marking

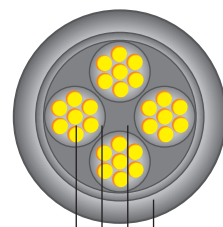
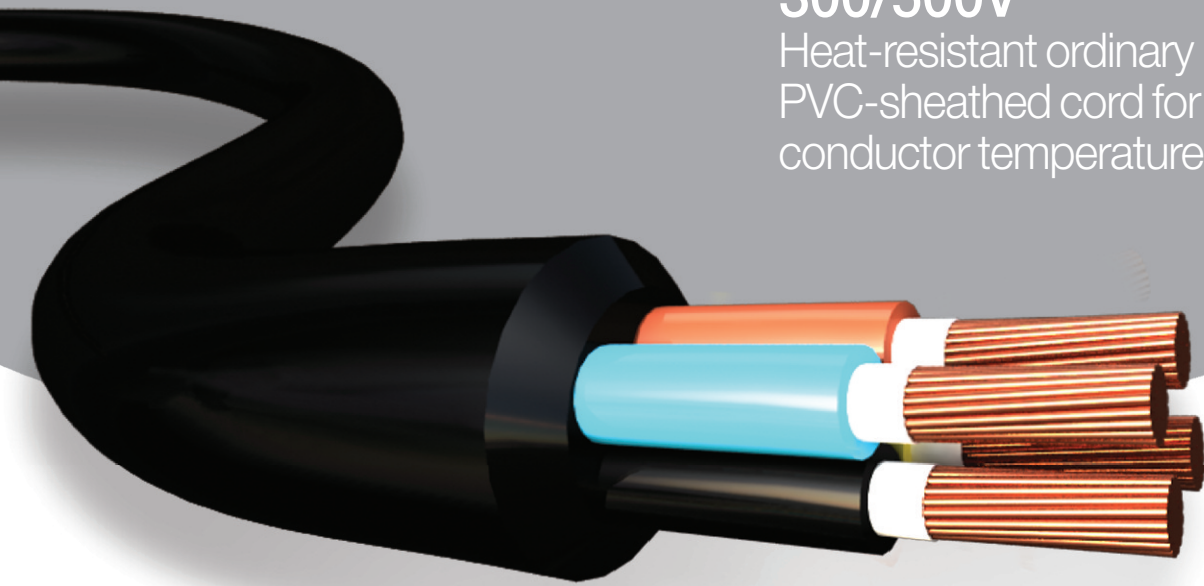
Ⓜ KS C IEC 60227-5 300/300V 60227 KS IEC 56 00mm<sup>2</sup>×0C 90°C KISEONG 0000 RoHS

### 300/300V 60227 KS IEC 56

Nominal cross-sectional area	Conductor		Thickness of insulation Specified value	Sheathed Thickness	Mean overall diameter		Max. Conductor Resistance at 20°C		Minimum insulation resistance at 70°C	Approx. Weight	Packing Length
	Maximum Diameter of wire	Approx. Diameter			Lower limit	Upper limit	Copper	Tinned			
mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	Ω/km	Ω/km	MΩ/km	kg/km	m
2×0.5	0.21	0.9	0.5	0.6	4.6 or 3.0X4.9	5.9 or 3.7X5.9	39.0	40.1	0.012	45	300
2×0.75	0.21	1.1	0.5	0.6	4.6 or 3.2X5.2	6.3 or 3.8X6.3	26.0	26.7	0.010	60	300
3×0.5	0.21	0.9	0.5	0.6	4.9	6.3	39.0	40.1	0.012	55	300
3×0.75	0.21	1.1	0.5	0.6	5.2	6.7	26.0	26.7	0.010	70	300



**300/500V**  
Heat-resistant ordinary  
PVC-sheathed cord for a maximum  
conductor temperature of 90°C



1 2 3 4

- 1. Conductor
- 2. Insulation
- 3. Filler
- 4. Sheath

**Application**

This cord is generally used in electrical equipment, lighting, and home appliances under AC 300/500V.

**Construction**

Conductor : Flexible Stranded Annealed Copper (Class 5)

Insulation : PVC/E

Sheath : PVC/ST10

**Color**

2cores: Sky Blue, Brown

3cores: Green/Yellow, Sky Blue, Brown or Brown, Black, Gray

4cores: Green/Yellow, Sky Blue, Black, Brown or Sky Blue, Brown, Black, Gray

5cores: Green/Yellow, Sky Blue, Black, Brown, Black, Gray

**Temperature Rating**

90°C

**Standard**

KS C IEC 60227-5

**Marking**

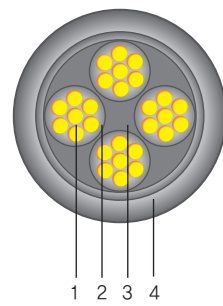
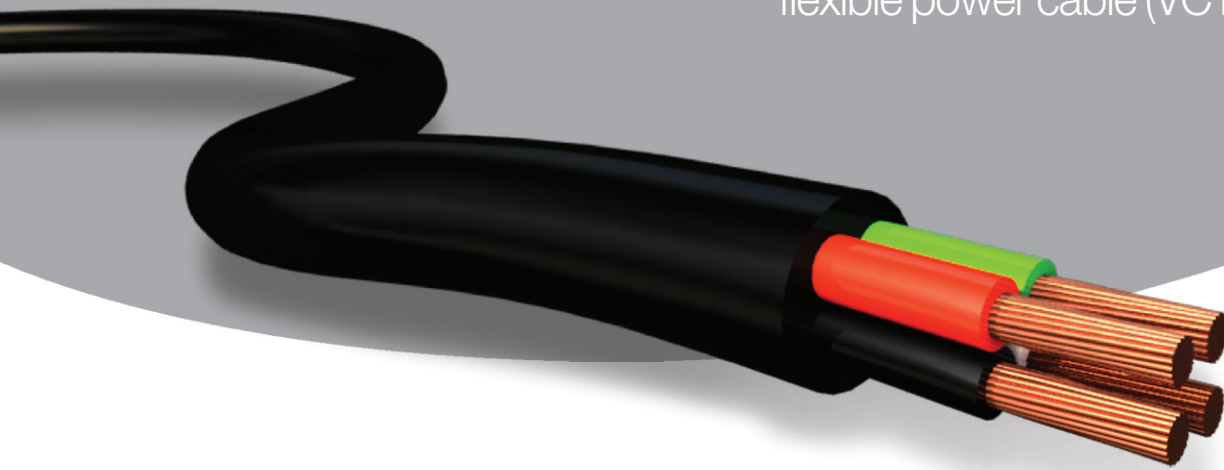
Ⓜ KS C IEC 60227-5 300/500V 60227 KS IEC 57 00mm<sup>2</sup>×0C 90°C KISEONG 0000 RoHS  
MADE IN KOREA

**300/500V 60227 KS IEC 57**

Conductor			Thickness of insulation Specified value	Sheathed Thickness	Mean overall diameter		Max. Conductor Resistance at 20°C		Minimum insulation resistance at 70°C	Approx. Weight	Packing Length
Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter			Lower limit	Upper limit	Copper	Tinned			
					mm	mm	Ω/km	Ω/km			
2×0.75	0.21	1.1	0.6	0.8	5.7 or 3.7×6.0	7.2 or 4.5×7.2	26.0	26.7	0.011	60	300
2×1.0	0.21	1.3	0.6	0.8	5.9 or 3.9×6.2	7.5 or 4.7×7.5	19.5	20.0	0.010	70	300
2×1.5	0.26	1.6	0.7	0.8	6.8	8.6	13.3	13.7	0.010	95	300
2×2.5	0.26	2.1	0.8	1.0	8.4	10.6	7.98	8.21	0.009	145	300
3×0.75	0.21	1.1	0.6	0.8	6.0	7.6	26.0	26.7	0.011	70	300
3×1.0	0.21	1.3	0.6	0.8	6.3	8.0	19.5	20.0	0.010	85	300
3×1.5	0.26	1.6	0.7	0.9	7.4	9.4	13.3	13.7	0.010	115	300
3×2.5	0.26	2.1	0.8	1.1	9.2	11.4	7.98	8.21	0.009	170	300
4×0.75	0.21	1.1	0.6	0.8	6.6	8.3	26.0	26.7	0.011	85	300
4×1.0	0.21	1.3	0.6	0.9	7.1	9.0	19.5	20.0	0.010	105	300
4×1.5	0.26	1.6	0.7	1.0	8.4	10.5	13.3	13.7	0.010	140	300
4×2.5	0.26	2.1	0.8	1.1	10.1	12.5	7.98	8.21	0.009	215.0	300
5×0.75	0.21	1.1	0.6	0.9	7.4	9.3	26.0	26.7	0.011	85	300
5×1.0	0.21	1.3	0.6	0.9	7.8	9.8	19.5	20.0	0.010	-	300
5×1.5	0.26	1.6	0.7	1.1	9.3	11.6	13.3	13.7	0.010	-	300
5×2.5	0.26	2.1	0.8	1.2	11.2	13.9	7.98	8.21	0.009	-	300



## 0.6/1kV PVC Insulated PVC sheathed flexible power cable (VCT)



1. Conductor
2. Insulation
3. Filler
4. Sheath

### Application

This cord is commonly used for connecting mobile electric apparatus under AC 0.6/1KV as a power source lead wire in factory, mine, or farm.

### Construction

Conductor : Flexible Stranded Annealed Copper (Class 5)  
Insulation : PVC/A  
Sheath : PVC/ST1

### Color

2cores: Black, White  
3cores: Black, White, Green  
4cores: Black, White, Green, Red

### Temperature Rating

70°C

### Standard

KS C IEC 60502-1

### Marking

Ⓜ KS C IEC 60502-1 0.6/1kV VCT 00mm<sup>2</sup>×0C KISEONG 0000 RoHS  
MADE IN KOREA

### 0.6/1kV VCT One Core

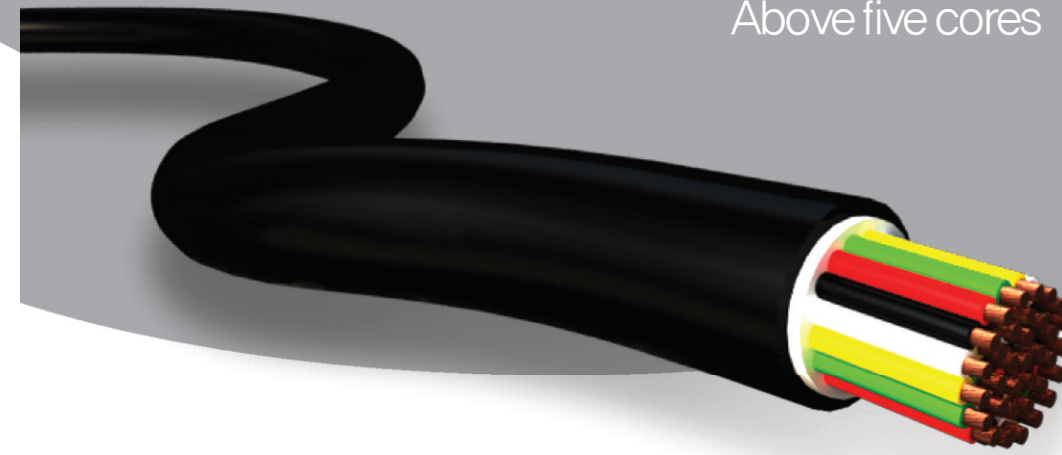
Nominal Sectional Area	Conductor		Nominal Insulation Thickness	Nominal Sheath Thickness	Mean Overall Diameter	Max. Conductor Resistance at 20 °C		Test Voltage	Approx Weight	Packing Length
	Number & Diameter of Wire	Outer Diameter				Copper	Tinned			
mm <sup>2</sup>	mm	mm	mm	mm	mm	Ω/km	Ω/km	kV	kg/km	m
1.0	0.21	1.3	0.8	1.4	6.0	19.5	20.0	3.5	50	300
1.5	0.26	1.6	0.8	1.4	6.5	13.3	13.7	3.5	60	300
2.5	0.26	2.1	0.8	1.4	7.0	7.98	8.21	3.5	80	300
4.0	0.31	2.6	1.0	1.4	8.0	4.95	5.09	3.5	100	300
6.0	0.31	3.6	1.0	1.4	9.0	3.30	3.39	3.5	130	300
10	0.41	4.8	1.0	1.4	10.0	1.91	1.95	3.5	180	300
16	0.41	6.0	1.0	1.4	11.0	1.21	1.24	3.5	240	300
25	0.41	7.4	1.2	1.4	13.0	0.780	0.795	3.5	350	100
35	0.41	8.7	1.2	1.4	14.5	0.554	0.565	3.5	450	100
50	0.41	10.4	1.4	1.4	16.5	0.386	0.393	3.5	610	100
70	0.51	12.5	1.4	1.4	18.5	0.272	0.277	3.5	820	100
95	0.51	14.5	1.6	1.5	21.5	0.206	0.210	3.5	1110	100
120	0.51	16.2	1.6	1.5	23.0	0.161	0.164	3.5	1370	100
150	0.51	18.2	1.8	1.6	26.0	0.129	0.132	3.5	1680	100
185	0.51	20.2	2.0	1.7	28.0	0.106	0.108	3.5	2070	100
240	0.51	23.3	2.2	1.8	32.0	0.0801	0.0817	3.5	2010	100
300	0.51	26	2.4	1.9	35.5	0.0641	0.0654	3.5	-	100

### 0.6/1kV VCT Two Cores

Nominal Sectional Area	Conductor		Nominal Insulation Thickness	Nominal Sheath Thickness	Mean Overall Diameter	Max. Conductor Resistance at 20 °C		Test Voltage	Approx Weight	Packing Length
	Number & Diameter of Wire	Outer Diameter				Copper	Tinned			
mm <sup>2</sup>	mm	mm	mm	mm	mm	Ω/km	Ω/km	kV	kg/km	m
1.0	0.21	1.3	0.8	1.8	10.0	19.5	20.0	3.5	120	300
1.5	0.26	1.6	0.8	1.8	10.5	13.3	13.7	3.5	130	300
2.5	0.26	2.1	0.8	1.8	11.5	7.98	8.21	3.5	160	300
4.0	0.31	2.6	1.0	1.8	13.5	4.95	5.09	3.5	220	300
6.0	0.31	3.6	1.0	1.8	15.5	3.30	3.39	3.5	290	300
10	0.41	4.8	1.0	1.8	17.5	1.91	1.95	3.5	400	300
16	0.41	6.0	1.0	1.8	20.0	1.21	1.24	3.5	530	300
25	0.41	7.4	1.2	1.8	23.5	0.780	0.795	3.5	770	100
35	0.41	8.7	1.2	1.8	26.5	0.554	0.565	3.5	-	100
50	0.41	10.4	1.4	1.9	30.5	0.386	0.393	3.5	-	100
70	0.51	12.5	1.4	2.1	35.5	0.272	0.277	3.5	-	100
95	0.51	14.5	1.6	2.2	40.5	0.206	0.210	3.5	-	100



PVC Insulated PVC sheathed control cable  
Above five cores

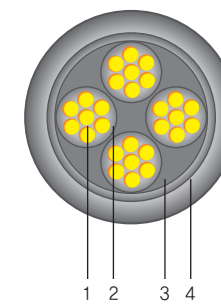


0.6/1kV VCT Three Cores

Nominal Sectional Area	Conductor		Nominal Insulation Thickness	Nominal Sheath Thickness	Mean Overall Diameter	Max. Conductor Resistance at 20°C		Test Voltage	Approx Weight	Packing Length
	Number & Diameter of Wire	Outer Diameter				Copper	Tinned			
mm <sup>2</sup>	mm	mm	mm	mm	mm	Ω/km	Ω/km	kV	kg/km	m
1.0	0.21	1.3	0.8	1.8	10.5	19.5	20.0	3.5	140	300
1.5	0.26	1.6	0.8	1.8	11.0	13.3	13.7	3.5	160	300
2.5	0.26	2.1	0.8	1.8	12.0	7.98	8.21	3.5	200	300
4.0	0.31	2.6	1.0	1.8	14.0	4.95	5.09	3.5	280	300
6.0	0.31	3.6	1.0	1.8	16.0	3.30	3.39	3.5	370	300
10	0.41	4.8	1.0	1.8	19.0	1.91	1.95	3.5	520	300
16	0.41	6.0	1.0	1.8	21.5	1.21	1.24	3.5	700	300
25	0.41	7.4	1.2	1.8	25.0	0.780	0.795	3.5	-	100
35	0.41	8.7	1.2	1.8	28.0	0.554	0.565	3.5	-	100
50	0.41	10.4	1.4	2.0	33.0	0.386	0.393	3.5	-	100
70	0.51	12.5	1.4	2.2	38.0	0.272	0.277	3.5	-	100
95	0.51	14.5	1.6	2.3	43.5	0.206	0.210	3.5	-	100

0.6/1kV VCT Four Cores (If you find more than five cores, please contact us)

Nominal Sectional Area	Conductor		Nominal Insulation Thickness	Nominal Sheath Thickness	Mean Overall Diameter	Max. Conductor Resistance at 20°C		Test Voltage	Approx Weight	Packing Length
	Number & Diameter of Wire	Outer Diameter				Copper	Tinned			
mm <sup>2</sup>	mm	mm	mm	mm	mm	Ω/km	Ω/km	kV	kg/km	m
1.0	0.21	1.3	0.8	1.8	11.0	19.5	20.0	3.5	170	300
1.5	0.26	1.6	0.8	1.8	12.0	13.3	13.7	3.5	190	300
2.5	0.26	2.1	0.8	1.8	13.0	7.98	8.21	3.5	240	300
4.0	0.31	2.6	1.0	1.8	15.0	4.95	5.09	3.5	340	300
6.0	0.31	3.6	1.0	1.8	17.5	3.30	3.39	3.5	460	300
10	0.41	4.8	1.0	1.8	20.5	1.91	1.95	3.5	650	300
16	0.41	6.0	1.0	1.8	23.5	1.21	1.24	3.5	900	300
25	0.41	7.4	1.2	1.8	28.0	0.780	0.795	3.5	-	100
35	0.41	8.7	1.2	1.9	31.0	0.554	0.565	3.5	-	100
50	0.41	10.4	1.4	2.1	36.5	0.386	0.393	3.5	-	100
70	0.51	12.5	1.4	2.3	42.0	0.272	0.277	3.5	-	100
95	0.51	14.5	1.6	2.5	48.5	0.206	0.210	3.5	-	100



- 1. Conductor
- 2. Insulation
- 3. Tape
- 4. Sheath

Application

Unshielded twisted flexible cable insulated by vinyl chloride under 300/500V.

Construction

Conductor : Flexible Stranded Annealed Copper (Class 5)  
Insulation : PVC/A COMPOUND  
Sheath : PVC/ST1 COMPOUND

Color

Special color available upon request

Temperature Rating

70°C

Standard

Self Specifications (Following the specifications approval negotiated with a customer)

Marking

KS VCT 00mm<sup>2</sup>×OC KISEONG 0000 RoHS CE MADE IN KOREA



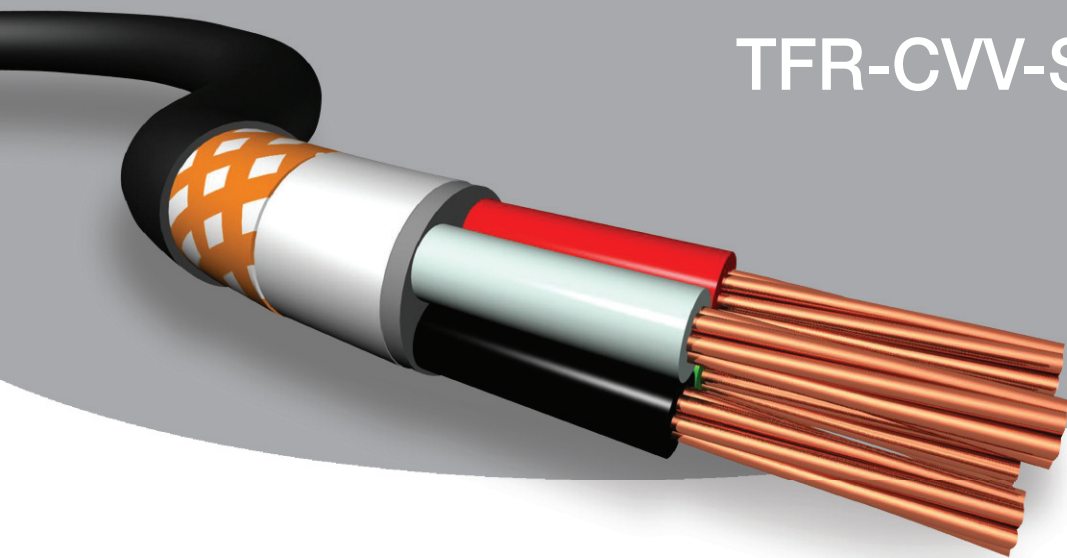
PVC Insulated PVC Sheathed Control Cable Above Five Cores

No. of Cores	Conductor			Thickness of insulation Specified value	Sheathed Thickness	Mean Overall Diameter	Max. Conductor Resistance at 20°C		Test Voltage	Approx. Weight
	Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter				Copper	Tinned		
							Ω/km	Ω/km		
5	0.75	0.21	1.1	0.8	1.5	10.0	26.0	26.7	3.5	130
	1.0	0.21	1.3	0.8	1.5	11.0	19.5	20.0	3.5	170
	1.5	0.26	1.4	0.8	1.5	11.5	13.3	13.7	3.5	210
	2.5	0.26	1.8	0.8	1.5	12.5	7.98	8.21	3.5	280
	4.0	0.31	2.3	1.0	1.5	15.0	4.95	5.09	3.5	410
	6.0	0.31	2.8	1.0	1.5	16.5	3.30	3.39	3.5	520
	10	0.41	3.6	1.0	1.5	18.5	1.91	1.95	3.5	800
6	0.75	0.21	1.1	0.8	1.5	11.5	26.0	26.7	3.5	160
	1.0	0.21	1.3	0.8	1.5	12.0	19.5	20.0	3.5	190
	1.5	0.26	1.4	0.8	1.5	12.5	13.3	13.7	3.5	240
	2.5	0.26	1.8	0.8	1.5	15.0	7.98	8.21	3.5	320
	4.0	0.31	2.3	1.0	1.5	16.5	4.95	5.09	3.5	480
	6.0	0.31	2.8	1.0	1.5	18.0	3.30	3.39	3.5	620
	10	0.41	3.6	1.0	1.5	20.5	1.91	1.95	3.5	960
7	0.75	0.21	1.1	0.8	1.5	11.5	26.0	26.7	3.5	180
	1.0	0.21	1.3	0.8	1.5	12.0	19.5	20.0	3.5	210
	1.5	0.26	1.4	0.8	1.5	12.5	13.3	13.7	3.5	260
	2.5	0.26	1.8	0.8	1.5	13.5	7.98	8.21	3.5	350
	4.0	0.31	2.3	1.0	1.5	16.5	4.95	5.09	3.5	520
	6.0	0.31	2.8	1.0	1.5	18.0	3.30	3.39	3.5	680
	10	0.41	3.6	1.0	1.5	20.5	1.91	1.95	3.5	1070
8	0.75	0.21	1.1	0.8	1.8	12.0	26.0	26.7	3.5	200
	1.0	0.21	1.3	0.8	1.8	14.0	19.5	20.0	3.5	240
	1.5	0.26	1.4	0.8	1.8	14.0	13.3	13.7	3.5	300
	2.5	0.26	1.8	0.8	1.8	16.0	7.98	8.21	3.5	370
10	0.75	0.21	1.1	0.8	2.0	13.0	26.0	26.7	3.5	230
	1.0	0.21	1.3	0.8	2.0	15.0	19.5	20.0	3.5	290
	1.5	0.26	1.4	0.8	2.0	15.5	13.3	13.7	3.5	350
	2.5	0.26	1.8	0.8	2.0	18.0	7.98	8.21	3.5	490

No. of Cores	Conductor			Thickness of insulation Specified value	Sheathed Thickness	Mean Overall Diameter	Max. Conductor Resistance at 20°C		Test Voltage	Approx. Weight
	Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter				Copper	Tinned		
							Ω/km	Ω/km		
12	0.75	0.21	1.1	0.8	2.0	15.5	26.0	26.7	3.5	260
	1.0	0.21	1.3	0.8	2.0	16.5	19.5	20.0	3.5	330
	1.5	0.26	1.4	0.8	2.0	16.5	13.3	13.7	3.5	410
	2.5	0.26	1.8	0.8	2.0	18.5	7.98	8.21	3.5	560
	4.0	0.31	2.3	1.0	2.0	20.5	4.95	5.09	3.5	800
15	0.75	0.21	1.1	0.8	2.0	15.5	26.0	26.7	3.5	320
	1.0	0.21	1.3	0.8	2.0	17.0	19.5	20.0	3.5	400
	1.5	0.26	1.4	0.8	2.0	17.9	13.3	13.7	3.5	480
20	2.5	0.26	1.8	0.8	2.0	20.5	7.98	8.21	3.5	670
	0.75	0.21	1.1	0.8	2.0	17.0	26.0	26.7	3.5	400
	1.0	0.21	1.3	0.8	2.0	20.0	19.5	20.0	3.5	500
25	1.5	0.26	1.4	0.8	2.0	20.5	13.3	13.7	3.5	610
	2.5	0.26	1.8	0.8	2.0	22.5	7.98	8.21	3.5	860
	0.75	0.21	1.1	0.8	2.0	20.5	26.0	26.7	3.5	480
30	1.0	0.21	1.3	0.8	2.0	22.0	19.5	20.0	3.5	890
	1.5	0.26	1.4	0.8	2.0	22.5	13.3	13.7	3.5	750
	2.5	0.26	1.8	0.8	2.0	25.0	7.98	8.21	3.5	1040
	0.75	0.21	1.1	0.8	2.0	21.0	26.0	26.7	3.5	580
33	1.0	0.21	1.3	0.8	2.0	23.0	19.5	20.0	3.5	690
	1.5	0.26	1.4	0.8	2.0	23.5	13.3	13.7	3.5	870
	2.5	0.26	1.8	0.8	2.0	26.0	7.98	8.21	3.5	1220
40	1.0	0.21	1.3	0.8	2.0	24.0	19.5	20.0	3.5	740
	1.5	0.26	1.4	0.8	2.0	24.5	13.3	13.7	3.5	950
	2.5	0.26	1.8	0.8	2.0	27.0	7.98	8.21	3.5	1340
	1.0	0.21	1.3	0.8	2.0	25.5	19.5	20.0	3.5	810
40	1.5	0.26	1.4	0.8	2.0	26.5	13.3	13.7	3.5	1030
	2.5	0.26	1.8	0.8	2.0	29.5	7.98	8.21	3.5	1460

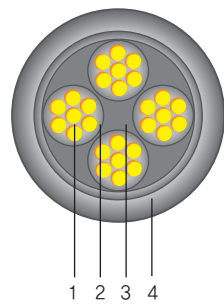


# TFR-CVV-SB



TFR-CVV-SB

No. of Cores	Conductor		Thickness of insulation Specified value	Sheathed Thickness	overall diameter	Max. Conductor Resistance at 20°C	Test Voltage	Packing Length	
	Nominal cross-sectional area	Class							
	mm <sup>2</sup>		mm	mm	mm	Ω/km	V/5min	m	
2	1.0	5	0.6	1.8	7.7	19.5	3.5	300	
	1.5		0.8	1.8	12	13.3		300	
	2.5		0.8	1.8	13	7.98		300	
	4.0		1.0	1.8	14.5	4.95		300	
	6.0		1.0	1.8	16	3.30		300	
3	1.0	5	0.6	1.8	8.1	19.5	3.5	300	
	1.5		0.8	1.8	12.5	13.3		300	
	2.5		0.8	1.8	13.5	7.98		300	
	4.0		1.0	1.8	15.5	4.95		300	
	6.0		1.0	1.8	17	3.30		300	
4	1.0	5	0.6	1.8	8.7	19.5	3.5	300	
	1.5		0.8	1.8	13.5	13.3		300	
	2.5		0.8	1.8	14.5	7.98		300	
	4.0		1.0	1.8	16.5	4.95		300	
	6.0		1.0	1.8	18	3.30		300	
5	1.5	5	0.8	1.8	14.5	13.3	3.5	300	
	2.5		0.8	1.8	15.5	7.98		300	
	6		1.5	0.8	1.8	15.5		13.3	300
	7		1.5	0.8	1.8	15.5		13.3	300
	8		1.5	0.8	1.8	16.5		7.98	300
10	1.5	5	0.8	1.8	16.5	13.3	3.5	300	
	2.5		0.8	1.8	16.5	7.98		300	
	15		1.5	0.8	1.8	17.5		7.98	300
	20		1.5	0.8	1.8	18.5		13.3	300
	25		2.5	0.8	1.8	20.5		7.98	300
12	1.5	5	0.8	1.8	18.5	13.3	3.5	300	
	2.5		0.8	1.8	20.5	7.98		300	
	15		1.5	0.8	1.8	20.5		13.3	300
	20		2.5	0.8	1.8	22.5		7.98	300
	25		1.5	0.8	1.8	22		13.3	300
20	1.5	5	0.8	1.8	25	7.98	3.5	300	
	2.5		0.8	1.8	25	7.98		300	
	25		1.5	0.6	1.8	20.3		13.3	300
	30		2.5	0.6	1.8	23.2		7.98	300
	30		1.5	0.8	1.8	26		13.3	300
	2.5	0.8	1.8	29	7.98	300			



- 1. Conductor
- 2. Insulation
- 3. Filler
- 4. Sheath

### Application

Insulated and PVC Sheathed Control Cable with Copper Braid Shield under AC 300/500V

### Construction

Conductor : Class 5  
 Insulation : PVC/A  
 Shield : AL TAPE  
 Electrostatic Shield : copper wire(A) braid  
 Sheath : FR - PVC (Poly Vinyl Chloride)

### Color

Insulation  
 2cores : Black, White  
 3cores : Black, White, Green  
 4cores : Black, White, Green, Red  
 Sheath : Black

### Temperature Rating

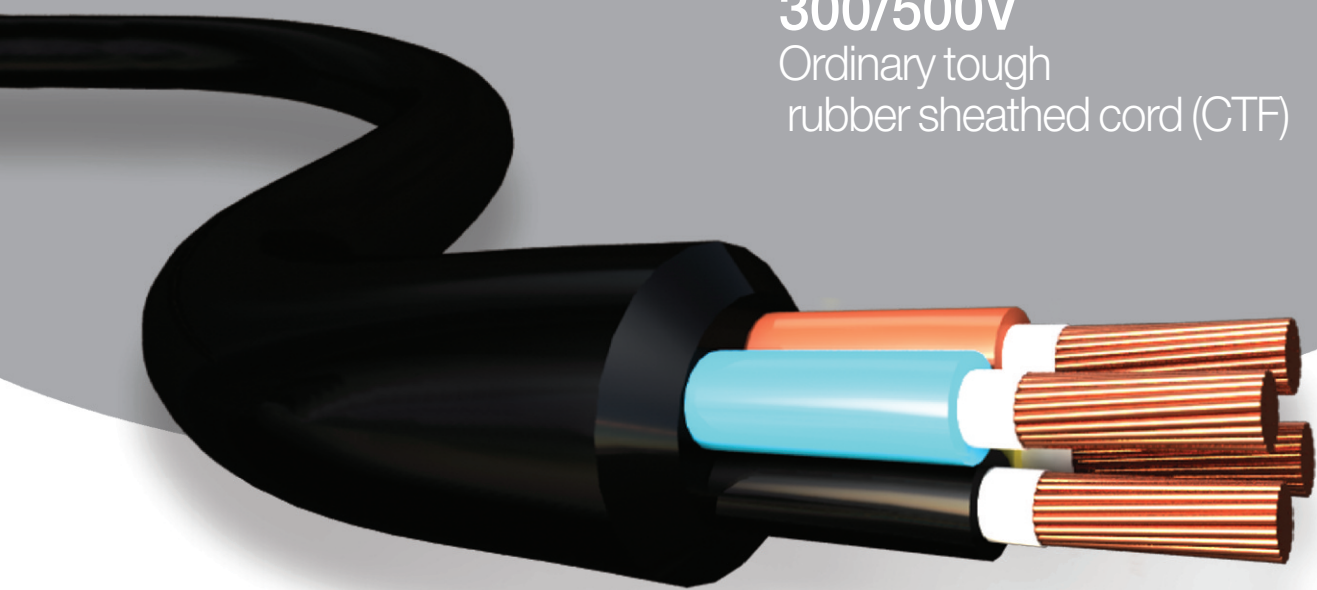
70°C

### Marking

TFR CVV-SB 300/500V 00mm<sup>2</sup>XOC KISEONG 0000 MADE IN KOREA



**300/500V**  
Ordinary tough  
rubber sheathed cord (CTF)



**Application**

This cable works well for wiring inside of house and building under AC 300/500V.

**Construction**

Conductor : Flexible Stranded Annealed Copper (Class 5) or Tinned Annealed Copper Wire

Insulation : EPR/IE4

Sheath : NR/SE3

**Color**

2cores: Sky Blue, Brown

3cores: Green/Yellow, Sky Blue, Brown or Brown, Black, Gray

4cores: Green/Yellow, Brown, Black, Gray or Sky Blue, Brown, Black, Gray

5cores: Refer to 60245-1 4.1.2

**Temperature Rating**

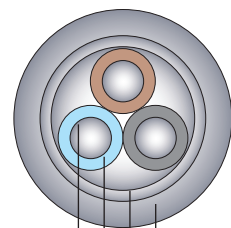
60°C

**Standard**

KS C IEC 60245-4

**Marking**

Ⓜ KS C IEC 60245-4 300/500V 60245 KS IEC 53 00mm<sup>2</sup>×0C KISEONG 0000 (CTF)  
MADE IN KOREA



1 2 3 4

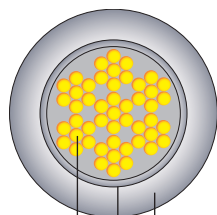
- 1, Conductor
- 2, Insulation
- 3, Tape
- 4, Sheath

**300/500V 60245 KS IEC 53 (CTF)**

Conductor			Thickness of insulation Specified value	Sheathed Thickness	Mean overall diameter		Max. Conductor Resistance at 20°C		Approx. Weight kg/km	Packing Length m
Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter			Lower limit	Upper limit	Copper	Tinned		
mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	Ω/km	Ω/km	kg/km	m
2×0.75	0.21	1.1	0.6	0.8	5.7	7.4	26.0	26.7	70	
2×1.0	0.21	1.3	0.6	0.9	6.1	8.0	19.5	20.0	90	
2×1.5	0.26	1.4	0.8	1.0	7.6	9.8	13.3	13.7	117	
2×2.5	0.26	1.8	0.9	1.1	9.0	11.6	7.98	8.21	152	
3×0.75	0.21	1.1	0.6	0.9	6.2	8.1	26.0	26.7	90	
3×1.0	0.21	1.3	0.6	0.9	6.5	8.5	19.5	20.0	105	
3×1.5	0.26	1.4	0.8	1.0	8.0	10.4	13.3	13.7	150	
3×2.5	0.26	1.8	0.9	1.1	9.6	12.4	7.98	8.21	190	300
4×0.75	0.21	1.1	0.6	0.9	6.8	8.8	26.0	26.7	105	
4×1.0	0.21	1.3	0.6	0.9	7.1	9.3	19.5	20.0	125	
4×1.5	0.26	1.4	0.8	1.1	9.0	11.6	13.3	13.7	180	
4×2.5	0.26	1.8	0.9	1.2	10.7	13.8	7.98	8.21	245	
5×0.75	0.21	1.1	0.6	1.0	7.6	9.9	26.0	26.7	-	
5×1.0	0.21	1.3	0.6	1.0	8.0	10.3	19.5	20.0	-	
5×1.5	0.26	1.4	0.8	1.1	9.8	12.7	13.3	13.7	-	
5×2.5	0.26	1.8	0.9	1.3	11.9	15.3	7.98	8.21	-	



**For rubber sheathed**  
Arc welding electrode cable  
(WCT)



- 1. Conductor
- 2. Tape
- 3. Insulation

**Application**

This Arc welding cable is suitable for Arc welding machine under AC 450/750V as a secondary power source lead wire and have good impact scratch flexibility because it is insulated by natural rubber.

**Construction**

Conductor : Flexible Stranded Annealed Copper (Class 5) or Tinned Annealed Copper Wire  
Insulation : NR/SE3

**Standard**

KS C IEC 60245-6

**Marking**

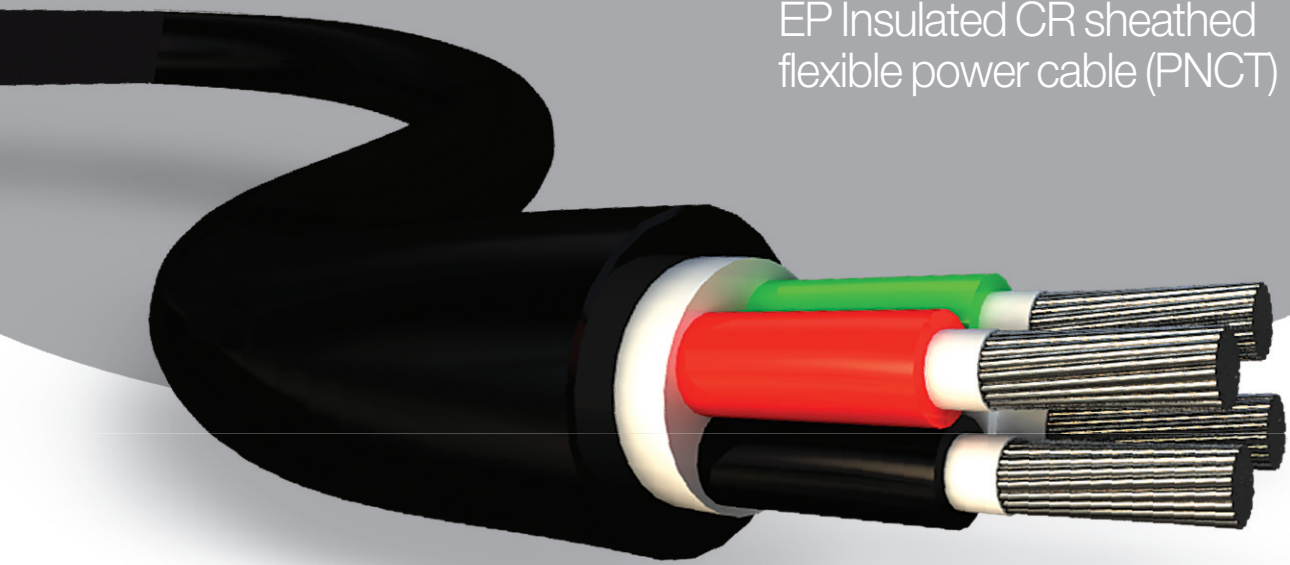
Ⓜ KS C IEC 60245-6 60227 KS IEC 81 00mm<sup>2</sup>KISEONG 0000 (WCT)  
CE MADE IN KOREA

**60245 KS IEC 81 (WCT)**

Certification standards	Conductor			Thickness of insulation Specified value	Mean overall diameter		Max. Conductor Resistance at 20°C		Approx. Weight kg/km	Packing Length m
	Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter		Lower limit	Upper limit	Copper	Tinned		
KS	16	0.21	4.5	2.0	8.8	11.0	1.16	1.19	220	100
	25	0.21	5.6	2.0	10.1	12.7	0.758	0.780	320	
	35	0.21	6.7	2.0	11.4	14.2	0.536	0.552	420	
	50	0.21	8.0	2.2	13.2	16.5	0.379	0.390	640	
	70	0.21	9.4	2.4	15.3	19.2	0.268	0.276	800	
self specifications	95	0.21	11.0	2.6	17.1	21.4	0.198	0.204	1180	200
	100	0.41	11.3	3.2	approx. 21.6		0.183	-	1220	300
	150	0.41	13.8	3.5	approx. 25.5		0.129	-	1750	
	185	0.41	15.4	3.5	approx. 27.2		0.106	-	3030	
200	0.41	16.0	3.5	approx. 28.5		0.0939	-	2280		



**0.6/1kV**  
EP Insulated CR sheathed  
flexible power cable (PNCT)



**Application**

This cable is generally used for connecting mobile electric apparatus under AC 0.6/1KV DC 750V as a power source wire at a factory and a mine area as well as a farm.

**Construction**

Conductor : Tinned Annealed Copper Wire (5 Class)  
Insulation : EPR  
Sheath : CR/SE1

**Color**

2cores: Black, White  
3cores: Black, White, Green  
4cores: Black, White, Green, Red

**Temperature Rating**

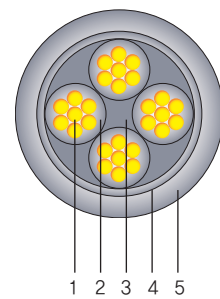
85°C

**Standard**

KS C IEC 60502-1

**Marking**

Ⓜ KS C IEC 60502-1 0.6/1kV PNCT 00mm<sup>2</sup>×0C KISEONG 0000 MADE IN KOREA



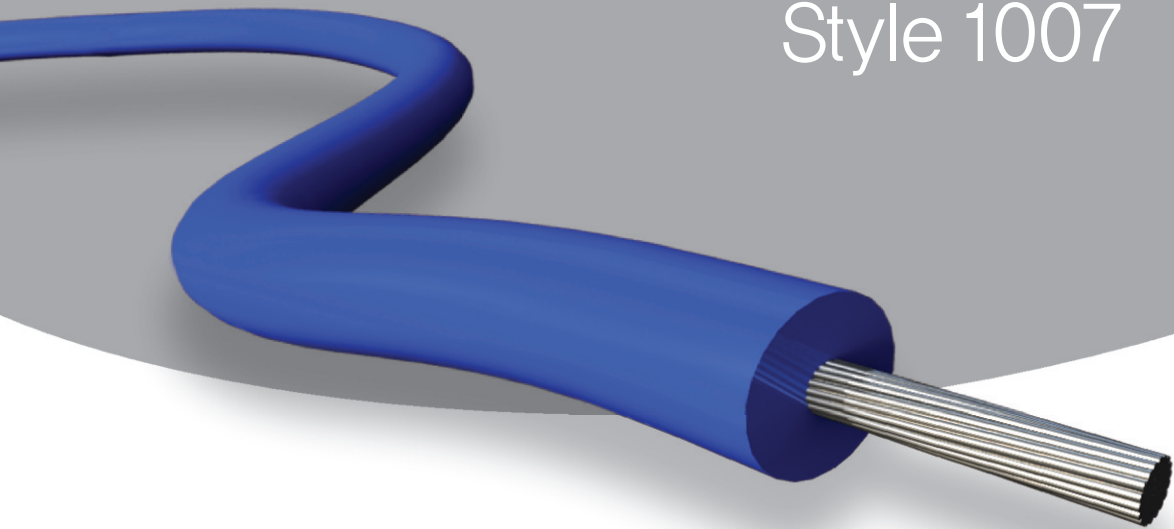
- 1. Conductor
- 2. Insulation
- 3. Filler
- 4. Tape
- 5. Sheath

**0.6/1kV PNCT**

Conductor			Thickness of insulation Specified value	1 core		2 cores		3 cores		4 cores		Max. Conductor Resistance at 20°C	Test Voltage	Packing Length
Nominal cross-sectional area	Maximum Diameter of wire	Approx. Diameter		Sheathed Thickness	Mean Overall Diameter	Sheathed Thickness	Mean Overall Diameter	Sheathed Thickness	Mean Overall Diameter	Sheathed Thickness	Mean Overall Diameter			
mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Ω/km	kV	m
1.0	0.21	1.3	1.0	-	-	1.8	11.5	1.9	12.2	1.9	13.1	20.0	3.5	
1.5	0.26	1.6	1.0	1.6	7.9	1.9	12.3	1.9	12.9	2.0	14.1	13.7	3.5	
2.5	0.26	2.1	1.0	1.6	8.4	1.9	13.3	2.0	14.2	2.0	15.3	8.21	3.5	
4.0	0.31	2.6	1.0	1.7	9.1	2.0	14.5	2.0	15.2	2.1	16.7	5.09	3.5	
6.0	0.31	3.6	1.0	1.7	10.2	2.1	17.0	2.2	18.2	2.3	19.9	3.39	3.5	
10	0.41	4.8	1.0	1.8	11.6	2.3	19.8	2.4	21.2	2.5	23.2	1.95	3.5	
16	0.41	6.0	1.0	1.9	12.9	2.5	22.4	2.5	23.7	2.7	26.3	1.24	3.5	100
25	0.41	5.6	1.2	2.0	14.9	2.7	26.4	2.8	28.2	3.0	31.2	0.795	3.5	
35	0.41	6.7	1.2	2.1	16.3	2.9	29.2	3.0	31.2	3.2	34.5	0.565	3.5	200
50	0.41	8.0	1.4	2.2	18.6	3.1	33.8	3.3	36.3	3.5	40.2	0.393	3.5	
70	0.51	9.4	1.4	2.4	20.9	3.4	38.2	3.5	40.8	3.8	45.4	0.277	3.5	300
95	0.51	11.0	1.6	2.5	23.5	3.7	43.6	3.9	46.8	4.2	52.0	0.210	3.5	
120	0.51	12.4	1.6	2.6	25.4	3.9	47.4	4.1	50.9	4.5	56.7	0.164	3.5	
150	0.51	13.8	1.8	2.8	28.1	4.2	52.6	4.5	56.6	4.8	62.8	0.132	3.5	
185	0.51	15.3	2.0	3.0	30.9	-	-	-	-	-	-	0.108	3.5	
240	0.51	17.5	2.2	3.2	34.6	-	-	-	-	-	-	0.0817	3.5	
300	0.51	19.5	2.4	3.4	38.0	-	-	-	-	-	-	0.0654	3.5	
400	0.51	22.3	2.6	3.7	43.2	-	-	-	-	-	-	0.0495	3.5	



# UL AWM Style 1007



### Application

Internal wiring of electric and electronic equipment.

### Construction

Conductor : 32 AWG ~ 16 AWG Solid or Stranded Wire  
Insulation : PVC

### Color

Special color available upon request

### Temperature Rating

80/90°C

### Standard

UL Subject 758  
CSA C22.2 No. 210.2

### Marking

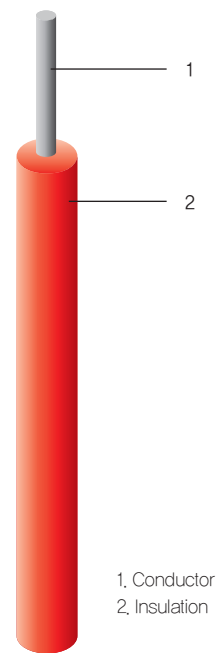
E203454 AWM 1007 VW-1 80°C AWM I A FT1 90°C 300V OAWG KISEONG RoHS

## UL AWM Style 1007

Type	Conductor			Insulation		Max. Conductor Resistance at 20°C	Minimum insulation resistance at 15.6°C	Voltage in Water A.C	Packing Length	
	Gage	Composition	Outer Diameter	Thickness	Outer Diameter					
	AWG	mm <sup>2</sup>	No./mm	mm	mm	mm	Ω/km	Ω/km	V/1min	m(ft)
Stranded	30	0.05	7/0.102	0.31	0.42	1.15	381		2000	
	28	0.08	7/0.127	0.38	0.42	1.22	239	15	2000	1220
	26	0.14	7/0.160	0.48	0.42	1.32	150		2000	(4000)
	24	0.25	11/0.160	0.61	0.42	1.45	94.2		2000	
	22	0.34	17/0.160	0.76	0.42	1.60	59.4		2000	
	20	0.50	26/0.160	0.94	0.42	1.78	37.4	15	2000	610
Solid	18	0.75	41/0.160	1.18	0.42	2.02	23.5		2000	(2000)
	16	1.50	26/0.254	1.49	0.42	2.33	14.6		2000	
	30	0.05	1/0.254	0.26	0.42	1.10	361		2000	
	28	0.08	1/0.320	0.32	0.42	1.16	227	15	2000	1220
	26	0.14	1/0.404	0.40	0.42	1.24	143		2000	(4000)
	24	0.25	1/0.511	0.51	0.42	1.35	89.3		2000	
Solid	22	0.34	1/0.643	0.64	0.42	1.48	56.4		2000	
	20	0.50	1/0.813	0.81	0.42	1.65	35.2	15	2000	610
	18	0.75	1/1.02	1.02	0.42	1.86	22.2		2000	(2000)
	16	1.50	1/1.29	1.29	0.42	2.13	14.0		2000	



# UL AWM Style 1015



1, Conductor  
2, Insulation

### Application

Internal wiring of electric and electronic equipment(Lead wire of primary circuit).

### Construction

Conductor : 30 AWG ~ 2000 kcmil Solid or Stranded Wire  
Insulation : PVC

### Color

Special color available upon request

### Temperature Rating

105°C

### Standard

UL Subject 758  
CSA C22.2 No. 210.2

### Marking

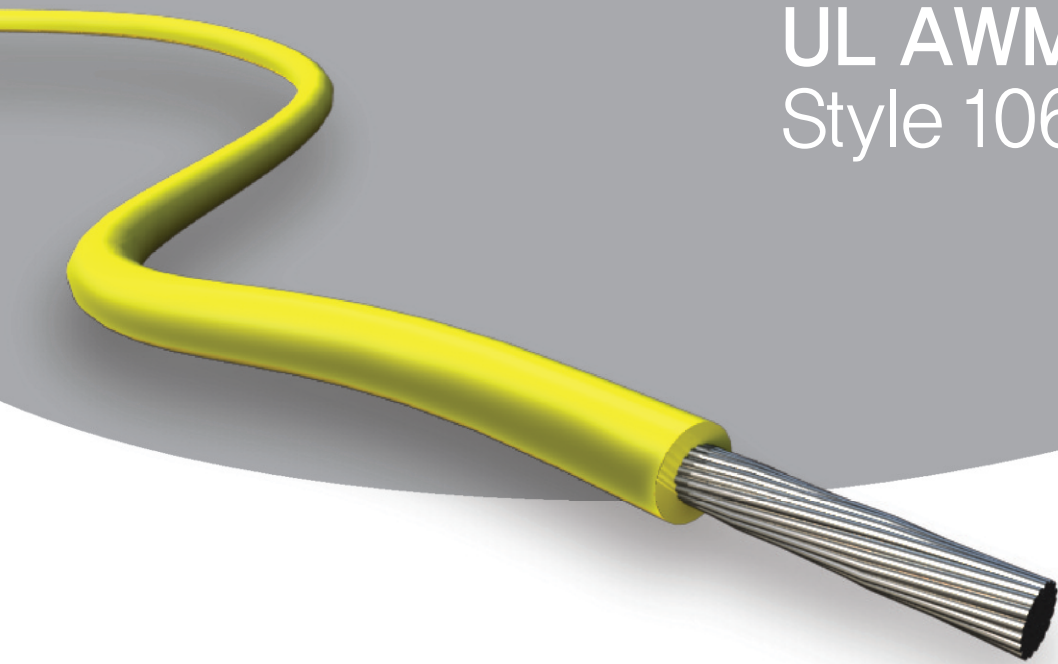
E203454 c  us AWM 1015 VW-1 I A FT1 600V 105°C OAWG KISEONG RoHS

## UL AWM Style 1015

Type	Conductor			Insulation		Max. Conductor Resistance at 20°C	Minimum insulation resistance at 15.6°C	Voltage in Water A.C	Packing Length	
	Gage	Composition	Outer Diameter	Thickness	Outer Diameter					
	AWG	mm <sup>2</sup>	No./mm	mm	mm	mm	Ω/km	Ω/km	V/1min	m(ft)
Stranded	28	0.08	7/0.127	0.38	0.81	2.00	239		2000	
	26	0.14	7/0.160	0.48	0.81	2.10	150		2000	
	24	0.25	11/0.160	0.61	0.81	2.23	94.2		2000	
	22	0.34	17/0.160	0.72	0.81	2.34	59.4	15	2000	610
	20	0.50	26/0.160	0.90	0.81	2.52	37.4		2000	(2000)
	18	0.75	41/0.160	1.14	0.81	2.76	23.5		2000	
	16	1.50	26/0.254	1.46	0.81	3.08	14.6		2000	
	14	2.50	41/0.254	1.80	0.81	3.42	9.15		2000	
	12	4.0	65/0.254	2.32	0.81	3.94	5.75	15	2000	305
	10	6.0	66/0.320	3.00	0.81	4.62	3.55		2000	(1000)
Solid	28	0.08	1/0.320	0.32	0.81	1.94	227		2000	
	26	0.14	1/0.404	0.40	0.81	2.02	143		2000	
	24	0.25	1/0.511	0.51	0.81	2.13	89.3		2000	
	22	0.34	1/0.643	0.64	0.81	2.26	56.4	15	2000	610
	20	0.50	1/1.813	0.81	0.81	2.43	35.2		2000	(2000)
	18	0.75	1/1.02	1.02	0.81	2.64	22.2		2000	
	16	1.50	1/1.29	1.29	0.81	2.91	14.0		2000	
	14	2.50	1/1.63	1.63	0.81	3.25	8.78		2000	
	12	4.0	1/2.05	2.05	0.81	3.67	5.53	15	2000	305
	10	6.0	1/2.588	2.59	0.81	4.21	3.476		2000	(1000)



# UL AWM Style 1061



1, Conductor  
2, Insulation

### Application

Internal wiring of electric and electronic equipment.

### Construction

Conductor : 30 AWG ~ 10 AWG Solid or Stranded Wire  
Insulation : Semi-Rigid PVC

### Color

Special color available upon request

### Temperature Rating

80°C

### Standard

UL Subject 758  
CSA C22.2 No. 210.2

### Marking

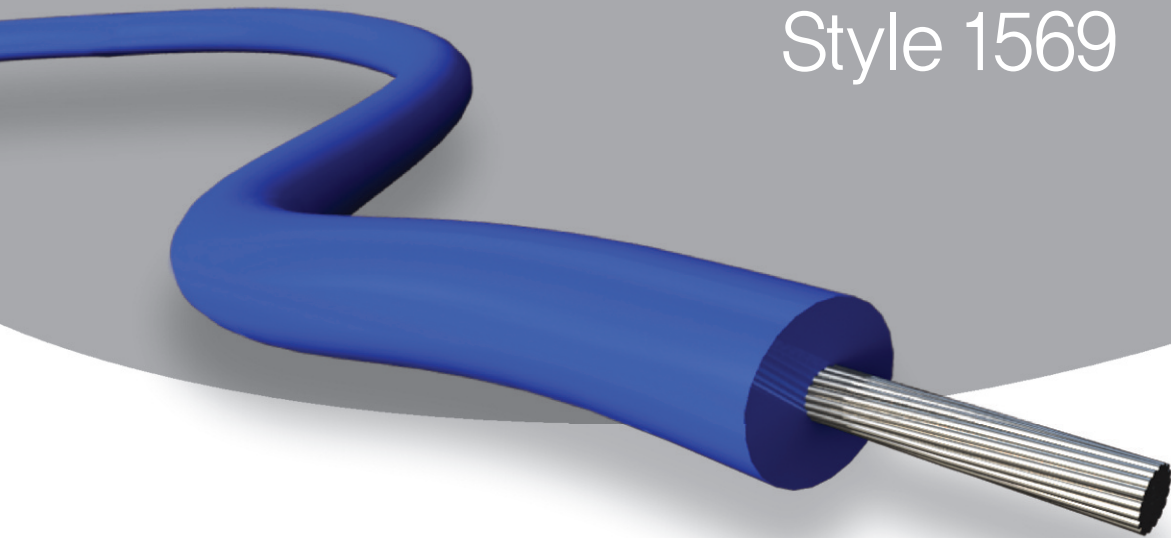
E203454 e us AWM 1061 VW-1 | A FT1 80°C 300V 00AWG KISEONG RoHS

## UL AWM Style 1061

Type	Conductor			Thickness	Outer Diameter	Max. Conductor Resistance at 20°C	Minimum insulation resistance at 15.6°C	Voltage in Water A.C	Packing Length	
	Gage	Composition	Outer Diameter							
	AWG	mm <sup>2</sup>	No./mm	mm	mm	mm	Ω/km	Ω/km	V/1min	m(ft)
Stranded	30	0.05	7/0.102	0.31	0.25	0.81	381			
	28	0.08	7/0.127	0.38	0.25	0.88	239			1220 (4000)
	26	0.14	7/0.160	0.48	0.25	0.98	150			
	24	0.25	11/0.160	0.61	0.25	1.11	94.2	15	2,000	
	22	0.34	17/0.160	0.76	0.25	1.26	59.4			
	20	0.50	21/0.18	0.94	0.25	1.44	37.4			610 (2000)
	18	0.75	34/0.18	1.18	0.25	1.78	23.5			
Solid	16	1.50	26/0.260	1.49	0.25	2.09	14.6			
	30	0.05	1/0.254	0.26	0.25	0.76	361			
	28	0.08	1/0.320	0.32	0.25	0.82	227			1220 (4000)
	26	0.14	1/0.404	0.4	0.25	0.9	143			
	24	0.25	1/0.511	0.51	0.25	1.01	89.3	15	2,000	
	22	0.34	1/0.643	0.64	0.25	1.14	56.4			
	20	0.50	1/0.813	0.81	0.25	1.31	35.2			610 (2000)
18	0.75	1/1.024	1.02	0.25	1.53	22.2				
16	1.50	1/0.290	1.29	0.25	1.79	14				



# UL AWM Style 1569



1, Conductor  
2, Insulation

### Application

Internal wiring of electric and electronic equipment.

### Construction

Conductor : 30 AWG ~ 2 AWG Solid or Stranded Wire  
Insulation : PVC

### Color

Special color available upon request

### Temperature Rating

105°C

### Standard

UL Subject 758

### Marking

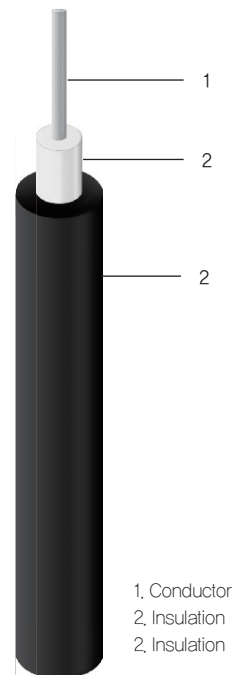
E203454 AWM 1007/1569 VW-1 80°C/105°C AWM I A FT1 90°C/105°C  
300V 00AWG KISEONG RoHS

### UL AWM Style 1569

Type	Conductor			Thickness	Outer Diameter	Max. Conductor Resistance at 20°C	Minimum insulation resistance at 15.6°C	Voltage in Water A.C	Packing Length	
	Gage	Composition	Outer Diameter							
	AWG	mm <sup>2</sup>	No./mm	mm	mm	mm	Ω/km	Ω/km	V/1min	m(ft)
Stranded	30	0.05	7/0.102	0.31	0.42	1.15	381			
	28	0.08	7/0.127	0.38	0.42	1.22	239			1220 (4000)
	26	0.14	7/0.160	0.48	0.42	1.32	150			
	24	0.25	11/0.160	0.61	0.42	1.45	94.2	15	2,000	
	22	0.34	17/0.160	0.76	0.42	1.60	59.4			
	20	0.50	26/0.160	0.94	0.42	1.78	37.4			610 (2000)
	18	0.75	41/0.160	1.18	0.42	2.02	23.5			
Solid	16	1.50	26/0.254	1.49	0.42	2.33	14.6			
	30	0.05	1/0.254	0.26	0.42	1.10	361			
	28	0.08	1/0.320	0.32	0.42	1.16	227			1220 (4000)
	26	0.14	1/0.404	0.40	0.42	1.24	143			
	24	0.25	1/0.511	0.51	0.42	1.35	89.3	15	2,000	
	22	0.34	1/0.643	0.64	0.42	1.48	56.4			
	20	0.50	1/0.813	0.81	0.42	1.65	35.2			610 (2000)
18	0.75	1/1.02	1.02	0.42	1.86	22.2				
16	1.50	1/1.29	1.29	0.42	2.13	14.0				



# UL AWM Style 1617



### Application

Internal wiring of electric equipment

### Construction

Conductor : Tinned Annealed Copper wire

Insulation : PVC

Sheath : PVC(Heat Resistant)

### Color

Special color available upon request

### Temperature Rating

105°C

### Standard

UL Subject 758

### Marking

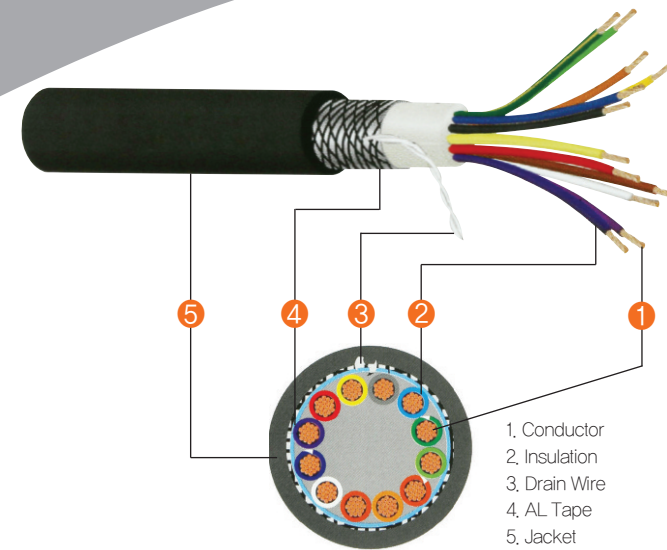
## UL AWM Style 1617

Type	Conductor			Insulation		Sheath		Max. Conductor Resistance at 20°C	Minimum insulation resistance at 15.6°C	Voltage in Water A.C
	Gage	Composition	Outer Diameter	Thickness	Outer Diamete	Thickness	Outer Diamete			
	AWG	No./mm	mm	mm	mm	mm	mm	Ω/km	Ω/km	V/1min
Stranded	26	7/0.16	0.48	0.80	2.10	0.25	2.60	139.72	15	2,000
	24	11/0.16	0.61	0.80	2.20	0.25	2.75	89.03	15	2,000
	22	17/0.16	0.76	0.80	2.35	0.25	2.9	58.83	15	2,000
	20	26/0.16	0.95	0.80	2.50	0.25	3.05	36.66	15	2,000
	18	41/0.16	1.18	0.80	2.90	0.25	3.40	22.60	15	2,000
	16	26/0.254	1.49	0.80	3.15	0.25	3.65	14.30	15	2,000
	14	41/0.254	1.88	0.80	3.40	0.25	3.90	9.07	15	2,000
Solid	26	1/0.40	0.40	0.80	2.00	0.25	2.50	128.73	15	2,000
	24	1/0.51	0.51	0.80	2.10	0.25	2.60	82.23	15	2,000
	22	1/0.64	0.64	0.80	2.25	0.25	2.75	52.63	15	2,000
	20	1/0.81	0.81	0.80	2.45	0.25	2.95	32.28	15	2,000
	18	1/1.02	1.02	0.80	2.60	0.25	3.10	18.38	15	2,000
	16	1/1.29	1.29	0.80	2.90	0.25	3.40	13.16	15	2,000
	14	1/1.70	1.70	0.80	3.25	0.25	3.80	7.70	15	2,000



# UL AWM Style 2464(AMS) DATA CABLE(core type)

## UL AWM Style 2464 DATA CABLE(core type)

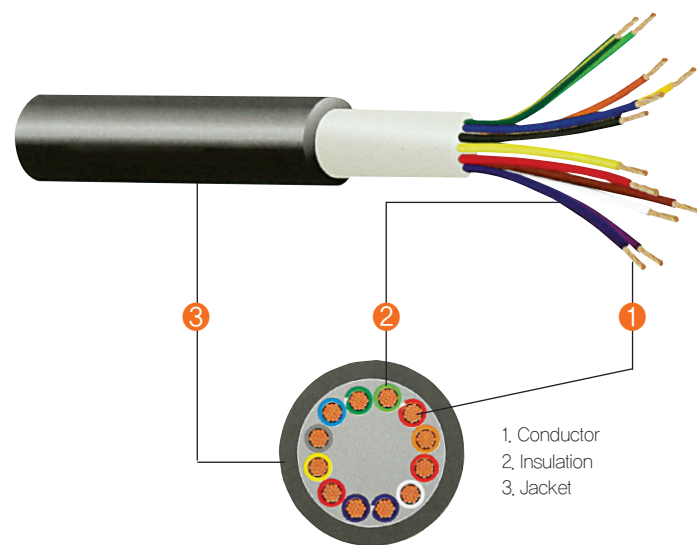


### Product Usage

- Used for signal transmission for electronic equipment

### Product Features

- Rating : (UL) 300V / 80°C
- Flexible
- Insulated cores : UL 1007 Standard
- Flame resistance : VW-1 Satisfaction
- Standard : UL Subject 758, 1581
- Certification : Underwriters Laboratories Inc.(R)



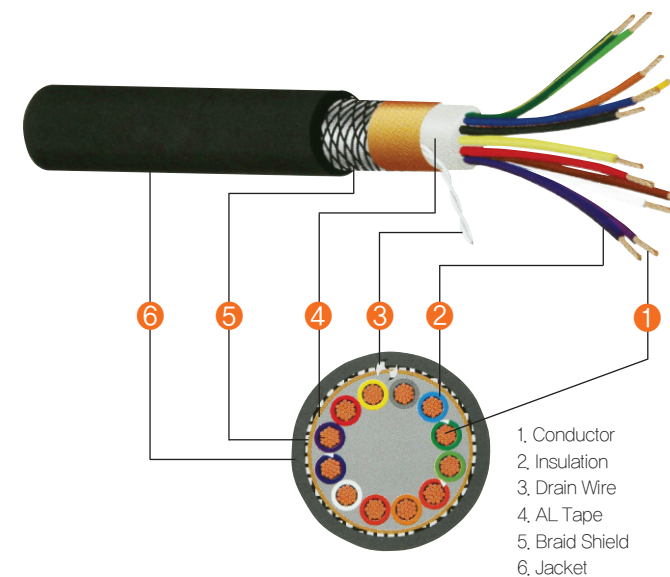
### Product Usage

- Signal Transmission for Electronic Equipment

### Product Features

- Rating : (UL) 300V / 80°C, CSA 300V / 80°C
- Flexible
- Insulated cores : UL 1007 Standard
- Flame resistance : VW-1 Satisfaction
- Standard : UL Subject 758, 1581
- Certification : Underwriters Laboratories Inc.(R)

# UL AWM Style 2464(AMESB) DATA CABLE



### Product Usage

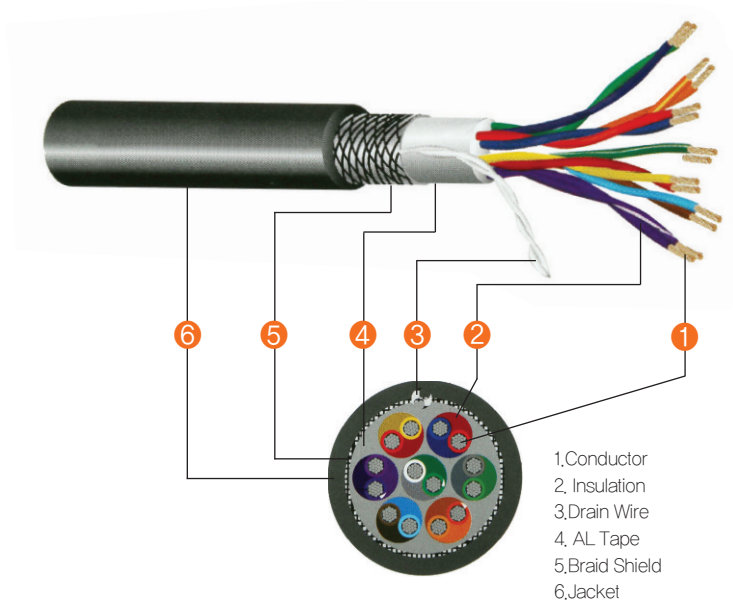
- Used to connect external or internal electronic equipment

### 제품의 특징

- Rating : (UL) 300V / 80°C, (CSA) 300V / 80°C
- Greater flexibility and electrical characteristics
- Flame resistance : VW-1 Satisfaction
- Standard : UL Subject 758, 1581
- Certification : Underwriters Laboratories Inc.(R)

# UL AWM Style 2464(I/C AMESB) DATA CABLE


## UL AWM Style 2464(AMESB) DATA CABLE(pair type)

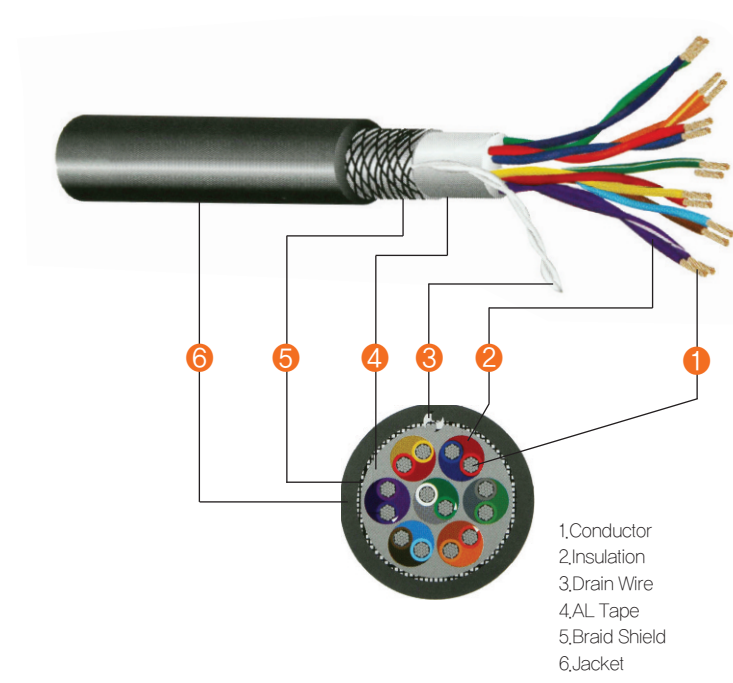


### Product Usage

- Used to connect external or internal electronic equipment

### Product Features


- Rating : (UL) 300V / 80°C, (CSA) 300V / 80°C
- Greater flexibility and electrical characteristics
- Flame resistance : VW-1 Satisfaction
- Standard : UL Subject 758, 1581
- Certification :  Underwriters Laboratories Inc.(R)



### Product Usage

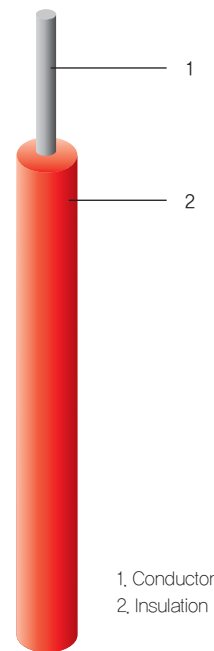
- Used for signal transmission for electronic equipment

### Product Features

- Rating : (UL) 300V / 80°C, (CSA) 300V / 80°C
- Greater flexibility and electrical characteristics
- Flame resistance : VW-1 Satisfaction
- Standard : UL Subject 758, 1581
- Certification :  Underwriters Laboratories Inc.(R)



# UL AWM Style 3321



### Application

Internal wiring of electric and electronic equipment under 600V

### Construction

Conductor : 30 AWG ~ 4AWG Solid or Stranded Wire  
Insulation : XLPE

### Color

Special color available upon request

### Temperature Rating

150°C

### Standard

UL Subject 758

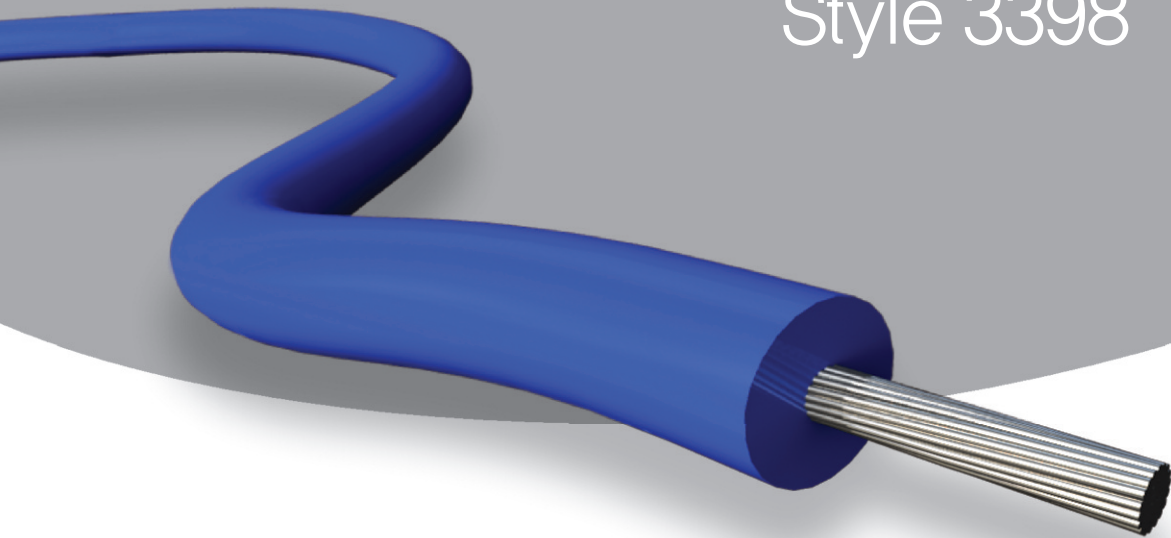
### Marking

E203454  us AWM 3321 VW-1 | A/B FT1 600V 150°C OOAWG KISEONG RoHS

## UL AWM Style 3321

Type	Conductor				Insulation		Max. Conductor Resistance at 20°C	Minimum insulation resistance at 15.6°C	Voltage in Water A.C	Packing Length
	Gage	Composition	Outer Diameter	Thickness	Outer Diameter					
	AWG	mm <sup>2</sup>	No./mm	mm	mm	mm	Ω/km	Ω/km	V/1min	m(ft)
Stranded	22	0.34	17/0.160	0.76		2.38	59.4			
	20	0.50	26/0.160	0.94		2.56	37.4			610
	18	0.75	41/0.160	1.18		2.8	23.5			(2000)
	16	1.50	26/0.254	1.49	0.81	3.11	14.6	1,000	1,500	
	14	2.50	41/0.254	1.88		3.50	9.15			305
	12	4.0	66/0.254	2.38		3.98	5.75			(1000)
Solid	10	6.0	66/0.320	3.00		4.62	3.55			
	22	0.34	1/0.643	0.64		2.26	56.4			
	20	0.50	1/0.813	0.81		2.43	35.2			610
	18	0.75	1/1.024	1.02		2.54	22.2			(2000)
	16	1.50	1/1.290	1.29	0.81	2.91	14.0	1,000	1,500	
	14	2.50	1/1.630	1.63		3.25	8.78			305
	12	4.0	1/2.060	2.05		3.67	5.53			(1000)
	10	6.0	1/2.590	2.59		4.21	3.476			

# UL AWM Style 3398



### Application

Internal wiring of electric and electronic equipment under 300V

### Construction

Conductor : 32 AWG ~ 10AWG Solid or Stranded Wire  
Insulation : XLPE

### Color

Special color available upon request

### Temperature Rating

150°C

### Standard

UL Subject 758

### Marking

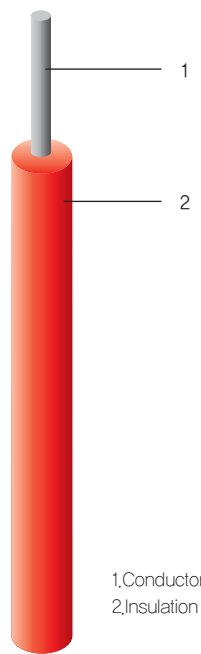
E203454 us AWM 3398 VW-1 I A/B FT1 300V 150°C 00AWG KISEONG RoHS

### UL AWM Style 3398

	Conductor				Insulation		Max. Conductor Resistance at 20°C Ω/km	Minimum insulation resistance at 15.6°C Ω/km	Voltage in Water A.C V/1min	Packing Length m(ft)
	Type	Gage	Composition	Outer Diameter	Thickness	Outer Diameter				
	AWG	mm <sup>2</sup>	No./mm	mm	mm	mm	Ω/km	Ω/km	V/1min	m(ft)
Stranded	28	0.08	7/0.127	0.38	0.40	1.18	239.00			
	26	0.14	7/0.160	0.48	0.40	1.28	150.00			
	24	0.25	11/0.160	0.61	0.40	1.41	94.20			
	22	0.34	17/0.160	0.76	0.40	1.56	29.40	1,000	2,000	610 (2000)
	20	0.50	26/0.160	0.94	0.46	1.86	36.70			
	18	0.75	41/0.160	1.18	0.46	2.10	23.20			
	16	1.50	28/0.254	1.49	0.46	2.41	14.60			
Solid	28	0.08	1/0.320	0.32	0.40	1.12	227.00			
	26	0.14	1/0.404	0.40	0.40	1.20	143.00			
	24	0.25	1/0.511	0.51	0.40	1.31	59.30			
	22	0.34	1/0.643	0.64	0.40	1.44	56.40	1,000	2,000	610 (2000)
	20	0.50	1/0.813	0.81	0.46	1.73	35.20			
	18	0.75	1/1.024	1.02	0.46	1.94	22.20			
	16	1.50	1/1.290	1.29	0.46	2.21	14.00			
TA-SC	26	0.14	7/0.160	0.48	0.40	1.28	150.00			
	24	0.25	7/0.203	0.61	0.40	1.41	94.20	1,000	2,000	610 (2000)
	22	0.34	7/0.254	0.76	0.40	1.56	59.40			



# UL AWM Style 11028



### Application

Internal wiring of electric and electronic equipment under 600V

### Construction

Conductor : 30 AWG ~ 10AWG Stranded Wire  
Insulation : Non-PVC

### Color

Special color available upon request

### Temperature Rating

105°C

### Standard

UL Subject 758

### Marking

E203454 UL AWM 11028 VW-1 | A/B FT1 105°C 600V 00AWG KISEONG RoHS

### UL AWM Style 11028

Type	Conductor				Insulation		Max. Conductor Resistance at 20°C Ω/km	Minimum insulation resistance at 15.6°C Ω/km	Voltage in Water A.C V/1min	Packing Length m(ft)
	Gage	Composition	Outer Diameter	Thickness	Outer Diameter					
	AWG	mm <sup>2</sup>	no/mm	mm	mm	mm				
Stranded	30	0.05	7/0.102	0.31		0.73	381.00			
	28	0.08	7/0.127	0.38		0.80	239.00			1220
	26	0.14	7/0.16	0.48		0.90	150.00	15	2,000	(4000)
	24	0.25	11/0.16	0.61	0.21	1.03	94.20			
	22	0.34	17/0.16	0.76		1.18	59.40			610
	20	0.50	26/0.16	0.94		1.36	36.7			(2000)

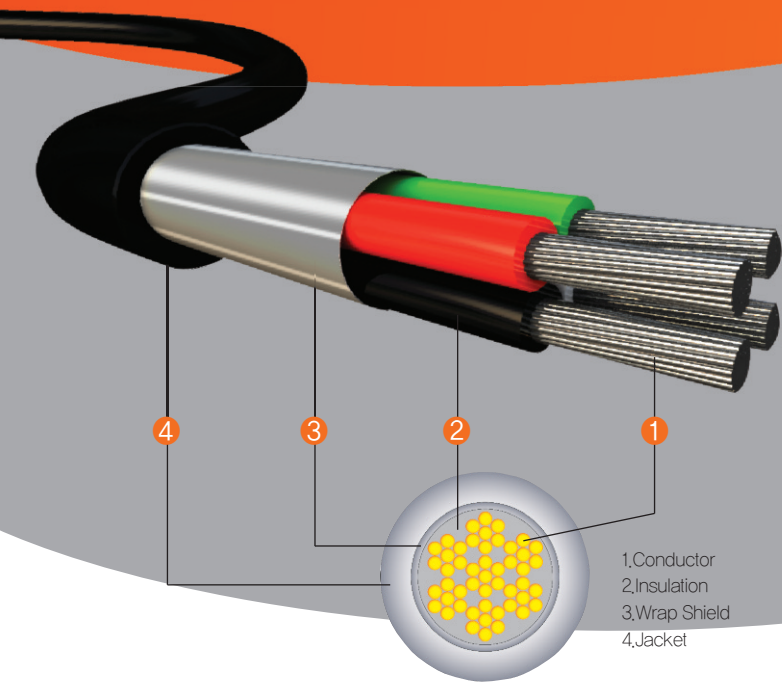
# DATA CABLE

## Application

· Computer Cable, Electronic signal Control cable

## Construction

- Conductor : 24 AWG ~ 20AWG Stranded Wire
- Insulation : PVC
- Shield : A/L or Non-Shield
- Braided : Annealed Wire or Tin Coated Annealed Wires



## DATA CABLE (Non – Shield Type)

Conductor Diameter & No. (mm/No)	No of Cores (c)	PVC Insulator Thickness (mm)	PVC Sheath Thickness (mm)	Overall Outer Dia.(Approx.) (mm)	Standard Length (m)	
0.16/11	2	0.25	0.7	3.6	500	
	3	0.25	0.7	3.8	500	
	4	0.25	0.7	4.4	500	
	6	0.25	0.9	5.2	500	
	8	0.25	0.9	5.6	500	
	10	0.25	0.9	6.2	500	
	12	0.25	0.9	6.5	500	
	15	0.25	1.1	7.2	500	
	20	0.25	1.2	8.4	500	
	25	0.25	1.2	8.8	500	
	30	0.25	1.2	10.0	500	
	40	0.25	1.5	11.1	500	
	50	0.25	1.5	12.3	500	
	60	0.25	1.5	13.5	500	
	0.18/20	2	0.4	0.7	4.8	500
		3	0.4	0.8	5.2	500
4		0.4	0.8	5.8	500	
6		0.4	1.0	7.2	500	
7		0.4	1.0	7.4	500	
8		0.4	1.0	7.8	500	
10		0.4	1.1	9.0	500	
12		0.4	1.1	9.5	500	
15		0.4	1.1	10.0	500	
18		0.4	1.4	11.5	300	
20		0.4	1.4	12.0	300	
25		0.4	1.5	12.5	300	
30		0.4	1.5	14.0	300	
40		0.4	1.5	15.5	300	
50		0.4	1.6	18.0	300	
60		0.4	1.8	20.0	300	

Surface Marking : COMPUTER DATA CABLE 00AWG X 00C KISEONG RoHS

## DATA CABLE (Shield Type)

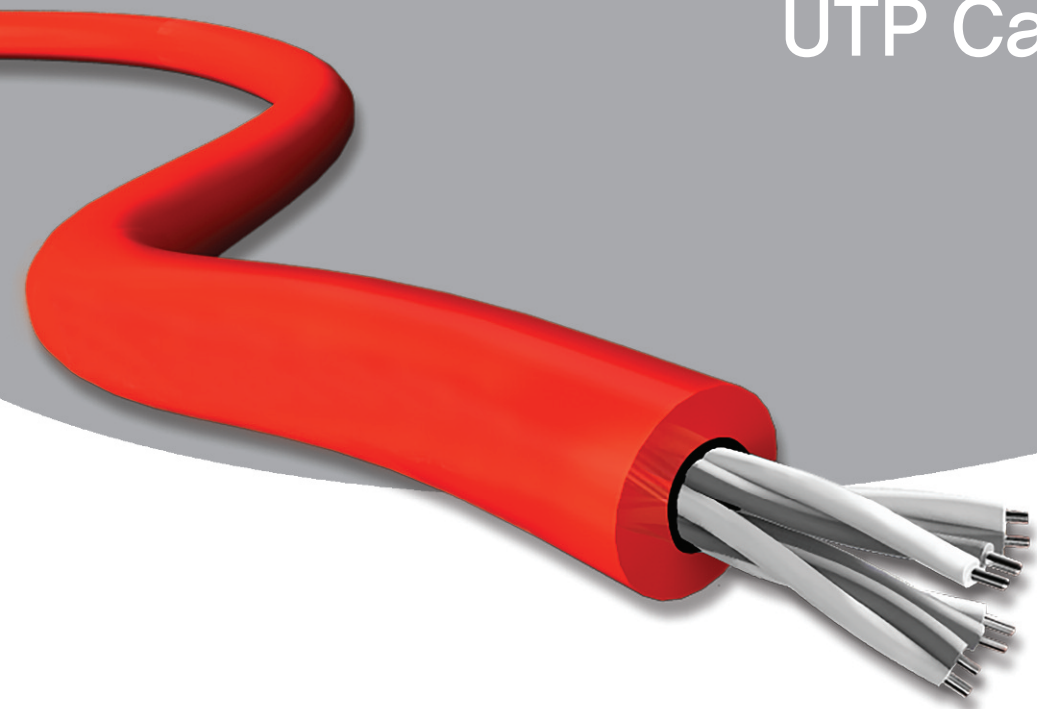
Conductor Diameter & No. (mm/No)	No of Cores (c)	PVC Insulator Thickness (mm)	Outer conductor composition			PVC Sheath Thickness (mm)	Overall Outer Dia.(Approx.) (mm)	Standard Length (m)
			Conductor Dia (mm)	Strand (No.)	Braid (Et)			
0.16/11	2	0.25	0.12	4	16	0.7	4.2	500
	3	0.25	0.12	4	16	0.7	4.4	500
	4	0.25	0.12	4	16	0.7	4.8	500
	6	0.25	0.12	5	16	0.8	5.5	500
	7	0.25	0.12	7	16	0.9	6.0	500
	8	0.25	0.12	8	16	0.9	6.2	500
	10	0.25	0.12	8	16	0.9	6.5	500
	12	0.25	0.12	8	16	1.0	7.1	500
	15	0.25	0.12	8	16	1.2	8.0	500
	20	0.25	0.12	8	16	1.2	8.9	500
	25	0.25	0.12	8	24	1.3	9.3	500
	30	0.25	0.12	10	24	1.3	10.4	500
	40	0.25	0.12	10	24	1.5	11.5	500
	50	0.25	0.12	10	24	1.5	12.5	500
	60	0.25	0.12	10	24	1.6	14.0	500
	0.18/20	2	0.4	0.12	6	16	0.7	5.3
3		0.4	0.12	7	16	0.8	5.5	500
4		0.4	0.12	8	16	0.8	6.3	500
6		0.4	0.12	8	16	1.2	8.0	500
7		0.4	0.12	8	16	1.2	8.3	500
8		0.4	0.12	8	16	1.2	8.4	500
10		0.4	0.12	8	16	1.2	8.5	500
12		0.4	0.12	8	24	1.3	10.0	500
15		0.4	0.12	10	24	1.4	12.0	500
20		0.4	0.12	10	24	1.4	12.5	300
25		0.4	0.12	10	24	1.5	13.0	300
30		0.4	0.12	10	24	1.5	14.5	300
40		0.4	0.12	10	24	1.5	16.0	300
50		0.4	0.12	10	24	1.8	18.5	300

Surface Marking : COMPUTER DATA SHIELD CABLE 00AWG X 00C KISEONG RoHS

2C	BK, WH
3C	BK, WH, RD
4C	BK, WH, RD, GN
5C	BK, WH, RD, GN, YL
6C	BK, WH, RD, GN, YL, BL
8C	BK, WH, RD, GN, YL, BN, BL, OR
10C	BK, WH, RD, GN, YL, BN, GY, OR, VT
12C	BK, WH, RD, GN, YL, BN, BL, GY, OR, VT, PK, SB
15C	BK, WH, RD, GN, YL, BN, BL, GY, OR, VT, BK/WH, WH/RD, RD/WH, GN/WH, YL/RD, BL/WH
20C	BK, WH, RD, GN, YL, BN, BL, GY, OR, VT, BK/WH, WH/RD, RD/WH, GN/WH, YL/RD, BL/WH, BN/WH, GY/RD, OR/WH, VT/WH
25C and above	Telephone consultation



# UTP Cat.5E(4P)



### Application

Use as a computer cable and an electronic signal control cable, interior horizontal and trunk wiring net (100MHz)

### Construction

Conductor : Annealed Copper wire 24AWG  
Insulation : PE  
Sheath : PVC

### Color

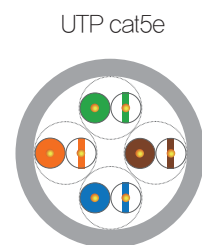
Sheath : Gray, Red, Blue, Yellow

### Temperature Rating

75°C

### Standard

KS C 3342 / ANSI / EIA / TIA-568B / ISO / IEC / 11801 / UL 444

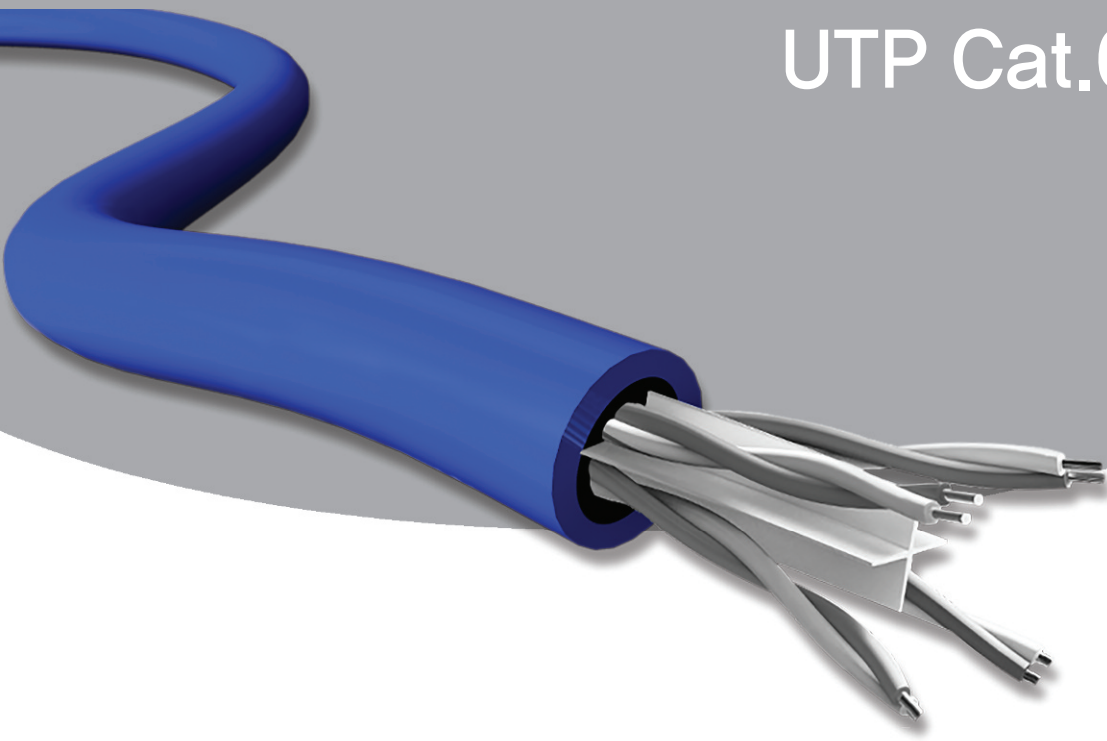


### UTP Cat.5E(4P)

Frequency	Characteristic Impedance	SRL	Attenuation	NEXT Loss
PR	mm	mm	kg/305m	m
4	0.50(24AWG)	5.0	10	300

Frequency	Characteristic Impedance	SRL	Attenuation	NEXT Loss	ELFEXT
(MHz)	(Ω)	Min.Db	Max,dB/100m	Min,dB/100m	Min,dB/100m
0.772	100±15	-	1.8	67.0	66.0
1	100±15	20	2.0	65.3	63.8
4	100±15	23	4.1	56.3	51.7
8	100±15	23	5.8	51.8	45.7
10	100±15	25	6.5	50.3	43.8
16	100±15	25	8.2	47.3	39.7
20	100±15	25	9.3	45.8	37.7
25	100±15	24.3	10.4	44.3	35.8
31.25	100±15	23.6	11.4	42.9	33.9
62.5	100±15	21.5	17.0	36.4	27.8
100	100±15	20.1	22	35.3	23.8

# UTP Cat.6



### Application

interior horizontal and trunk wiring net that requires high-speed signal transmission capability with cables for voice and data transmission(250MHz)

### Construction

Conductor : Annealed Copper wire 24AWG  
Insulation : HDPE  
Sheath : PVC,LSZH

### Color

Sheath : Gray

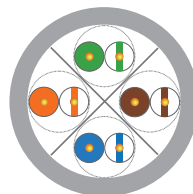
### Temperature Rating

75°C

### Standard

KS C 3342 / ANSI / EIA / TIA-568B,2-1 / ISO / IEC / 11801 / UL444

UTP cat,6



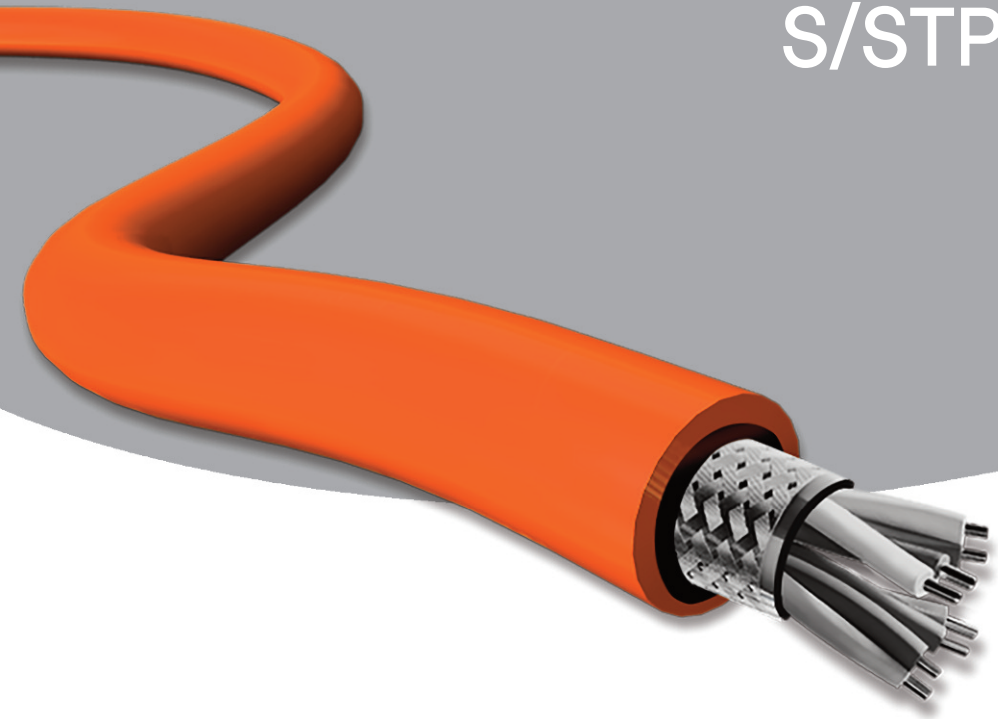
### UTP Cat.6

Frequency	Characteristic Impedance	SRL	Attenuation	NEXT Loss
PR	mm	mm	kg/305m	m
4	0,55(24AWG)	6,2	11,5	300

Frequency	Characteristic Impedance	SRL	Attenuation	NEXT Loss
(MHz)	(Ω)	Min,Db	Max,dB/100m	Min,dB/100m
1	100±6	19	2.0	74.3
4	100±6	21.4	3.8	65.3
8	100±6	22.6	5.4	60.8
10	100±6	23.0	6.0	59.3
16	100±6	23.0	7.7	56.3
20	100±6	23.0	8.6	54.8
25	100±6	22.3	9.6	53.3
31.25	100±6	21.6	10.8	51.9
62.5	100±6	19.5	15.7	47.4
100	100±6	18.1	20.2	44.3
125	100±6	17.4	22.9	42.9
155.52	100±6	16.8	22.8	41.4
175	100±6	16.4	27.6	40.7
200	100±6	16.0	29.8	39.8
250	100±6	15.3	33.8	38.3



# S/STP Cat.7



### Application

Ideal for special environments such as data centers or ships for 10Gbps communication speeds

### Construction

Conductor : Annealed Copper wire 23AWG  
Insulation : PE  
Sheath : PVC,LSZH

### Color

Colors Requested

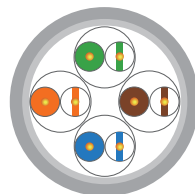
### Temperature Rating

75°C

### Standard

KS C 3342

S/STP Cat.7

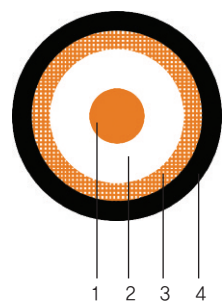
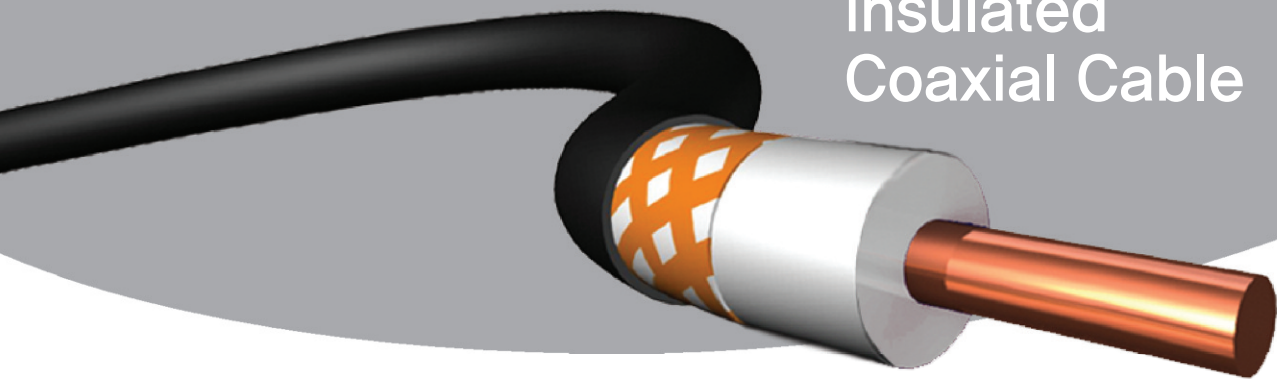


### S/STP Cat.7

Frequency	Characteristic Impedance	SRL	Attenuation	NEXT Loss
PR	mm	mm	kg/305m	m
4	0.4(23AWG)	8.0	18.1	300

Frequency	Characteristic Impedance	SRL	Attenuation	NEXT Loss
(MHz)	(Ω)	Min.Db	Max.dB/100m	Min.dB/100m
4	100±15	23.0	3.7	78.0
8	100±15	24.5	5.2	78.0
10	100±15	25.0	5.9	78.0
16	100±15	25.0	7.4	78.0
20	100±15	25.0	8.3	78.0
25	100±15	24.3	9.3	78.0
31.25	100±15	23.6	10.4	78.0
62.5	100±15	21.5	14.9	75.5
100	100±15	20.1	19.0	72.4
200	100±15	18.0	27.5	67.9
400	100±15	17.3	40.0	63.4
600	100±15	17.3	50.1	60.7

## FB Type Foamed Polyethylene insulated Coaxial Cable



- 1. Conductor
- 2. Insulation
- 3. Shield
- 4. Sheath

### Application

A cable that provides multimedia services by sending two-way signals to a cable television network

### Construction

Conductor : Annealed Copper wire  
 Insulation : PE/HFPE  
 Braid Shield : AL Tape  
 Sheath : PVC

### Color

Black

### Marking

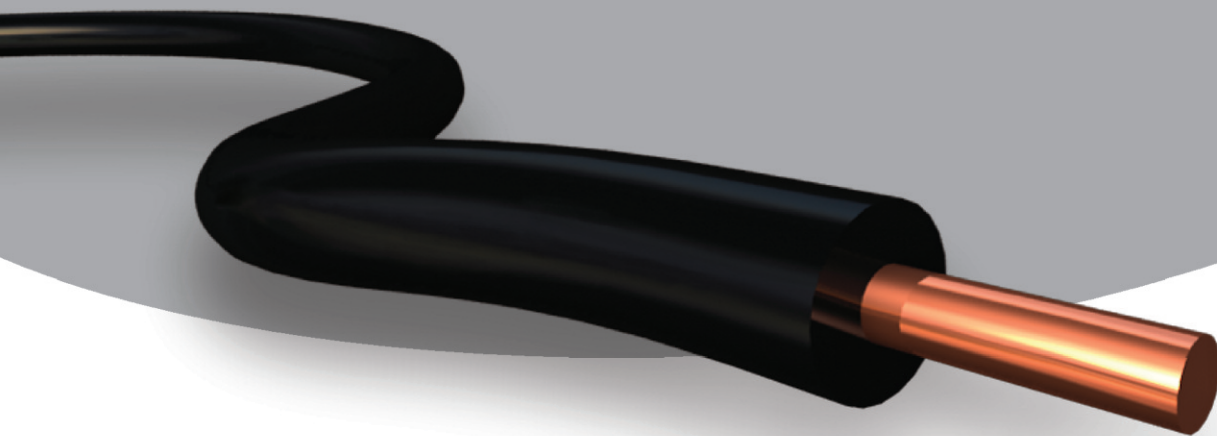
T-D41-03-0119 5C-HFBT SEHWA COM 0000 KISEONG CABLE 0000M

FB Type Foamed Polyethylene insulated Coaxial Cabl

standard	Maximum Diameter of wire	Thickness of insulation Specified value	external conductor			overall diameter	Approx. Weight	Diminution Quantity		Packing Length
			Primary	secondary	tertiary			250MHz	864MHz	
	mm	mm				mm	kg/km			m
5C	HFBT 1/1.025	4.8	Al-Mylar Tape	Aluminium alloy shield	Al-Mylar Tape	7.0	46	98.9 ↓	195 ↓	200



# HFIX



### Application

Internal wiring of electric and electronic equipment under 450/750V

### Construction

Conductor : Solid(Class 1) or Stranded(Class 2) Compacted Circular  
Insulation : Halogen Free Flame-Retardant Polyolefin Insulated Wire

### Color

Black, White, Red, Green, Yellow, Blue

### Temperature Rating

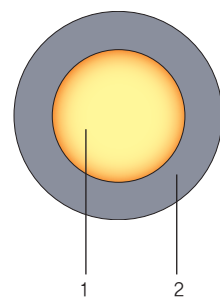
90°C

### Standard

KS C 3341

### Marking

KTC HB01002-16023A KS C 3341 450/750V HFIX 00mm<sup>2</sup> KISEONG 0000 MADE IN KOREA

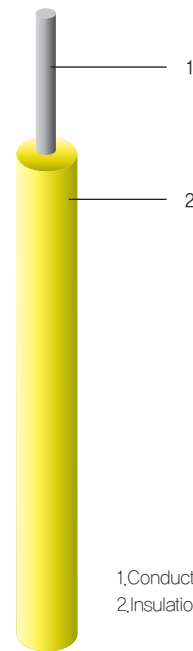
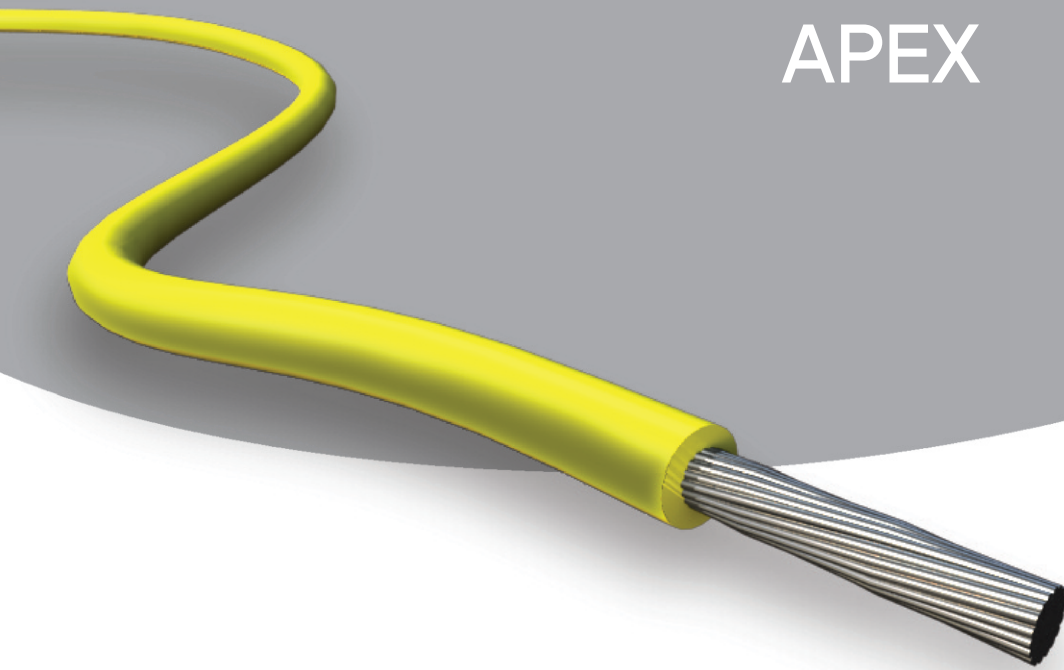


1, Conductor  
2, Insulation

## HFIX

Conductor	Thickness	Outer Diameter	Max. Conductor Resistance at 20°C	Minimum insulation resistance at 15.6°C	Test Voltage	weight	Packing Length
Nominal cross-sectional area							
mm <sup>2</sup>	mm	mm	Ω/km	MΩ/km	kV/5min	kg/km	m
1.5	0.7	2.9	12.1	0.0110	2.5	20	300
2.5		3.6	7.41	0.0090		40	
4.0	0.8	4.0	4.61	0.0085		50	
6.0		4.6	3.08	0.0070		70	
10		5.9	1.83	0.0070		120	
16	1.0	7.1	1.15	0.0050		170	
25		8.9	0.727	0.0050		260	
35	1.2	10.0	0.524	0.0043		350	
50		11.7	0.387	0.0043		480	
70	1.4	13.4	0.268	0.0035		670	
95		15.6	0.193	0.0035		920	
120	1.6	17.2	0.153	0.0032		1160	
150		19.1	0.124	0.0032		1430	
185	2	21.3	0.0991	0.0032		1780	
240	2.2	24.3	0.0754	0.0032		2320	
300	2.4	27.1	0.0601	0.0030		2930	
400	2.6	30.4	0.0470	0.0028	3730		

## APEX



1,Conductor  
2,Insulation

### Application

Internal wiring of electrical and electronic equipments  
Lead Wire of motors and special welding cables

### Construction

Conductor : 30AWG ~ 10AWG Solid or Stranded Wire  
Insulation : XLPE

### Color

Special color available upon request

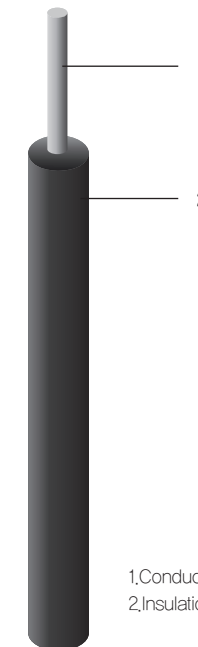
### Temperature Rating

120°C

### Standard

UL Subject 758

## APEX(APEX-R)



1,Conductor  
2,Insulation

### Application

Internal wiring of electrical and electronic equipments  
Lead Wire of motors and special welding cables

### Construction

Conductor : 30AWG ~ 10AWG Solid or Stranded Wire  
Insulation : XLPE

### Color

Special color available upon request

### Temperature Rating

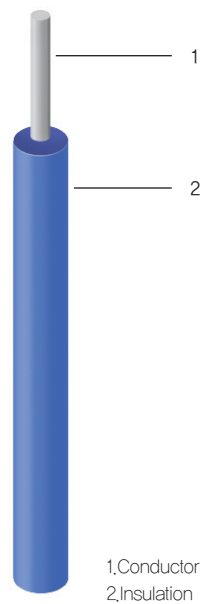
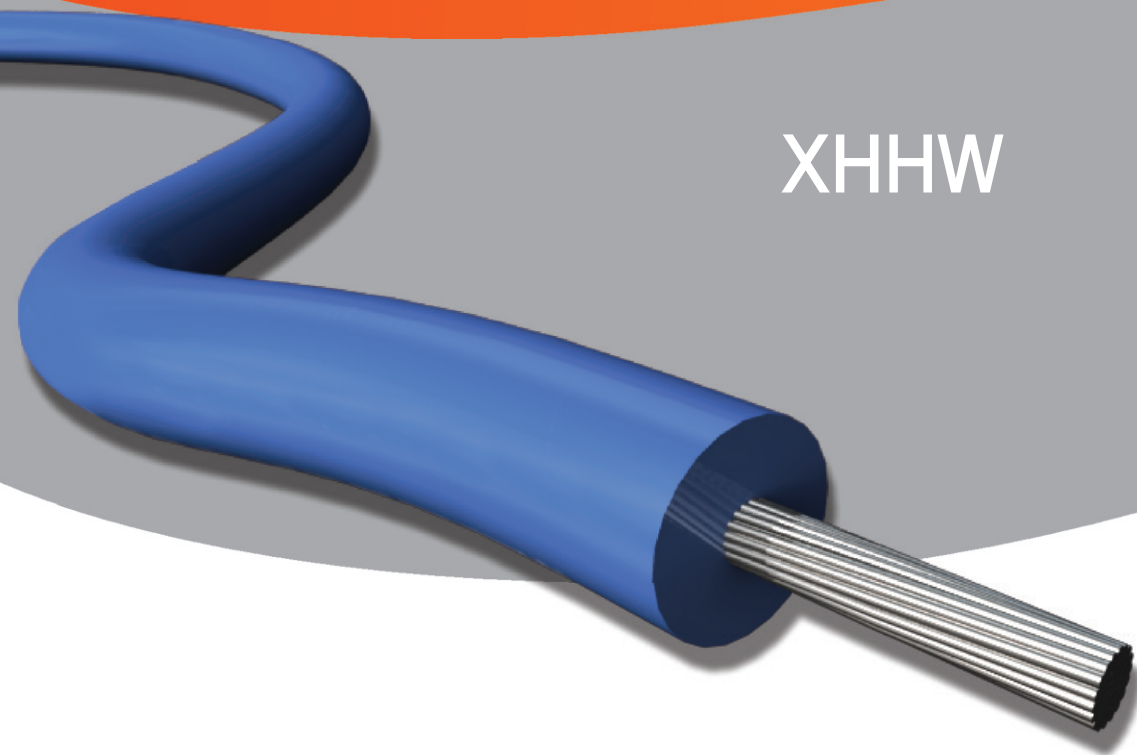
150°C

### Standard

UL Subject 758



# XHHW



### Application

Ethylene-vinyl acetate rubber insulated cables of rated voltages up to and including 450/750 V. The cables are intended for internal wiring of electrical apparatus where wiring is operated in a high temperature zone.

### Construction

Conductors : Solid or stranded annealed copper(Class 5)  
Insulation : XLPE

### Color

Colors Requested

### Temperature Rating

110°C

### Standard

KS C IEC 60245-7 : 2005

### Marking

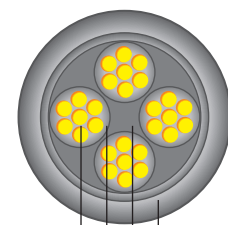
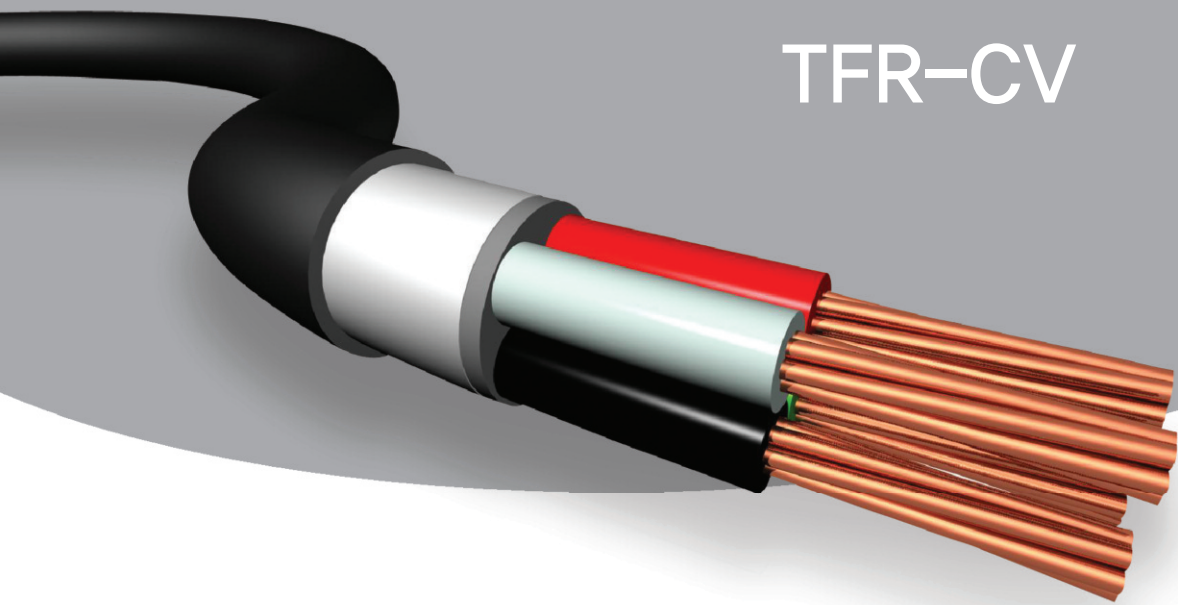
☞KTC HB01002-20037A KC 60245-7 450/750V 60245 KS IEC 05 XHHW/SIS 00mm<sup>2</sup> 110°C KISEONG 2020 [1.5mm<sup>2</sup> ~ 6mm<sup>2</sup>]

☞KTC HB01002-20037A KC 60245-7 450/750V 60245 KS IEC 05 XHHW/SIS 00mm<sup>2</sup> 110°C KISEONG 2020 [10mm<sup>2</sup>]

### XHHW

Conductor		Thickness of insulation Specified value	Mean overall diameter		Min. Insulation Resistance(110°C)	Max. Conductor Resistance at
Nominal cross-sectional area	Class		Lower limit	Upper limit		
mm <sup>2</sup>	Class	mm	mm	mm	MΩ · km	Ω /km(20°C)
0.5		0.8	2.4	3.1	0.016	40.1
0.75		0.8	2.6	3.2	0.015	26.7
1.0		0.8	2.7	3.4	0.013	20.0
1.5		0.8	3.0	3.7	0.012	13.7
2.5		0.9	3.6	4.5	0.011	8.21
4.0		1.0	4.3	5.4	0.001	5.09
6.0	5	1.0	4.8	6.0	0.008	3.39
10		1.2	6.0	7.6	0.008	1.95
16		1.2	7.1	8.9	0.006	1.24
25		1.4	8.8	11.0	0.005	0.795
35		1.4	10.1	12.6	0.005	0.565
50		1.6	11.9	14.9	0.004	0.393
70		1.6	13.6	17.0	0.004	0.277
95	1.8	15.5	19.3	0.004	0.210	

# TFR-CV



1 2 3 4

- 1, Conductor
- 2, Insulation
- 3, Filler
- 4, Sheath

### Application

This cable is designed for the purpose of using in power distribution line or control system under A.C 0.6/1KV having excellent electrical, physical and chemical properties. It is suitable on tray system, having excellent in flame-retardant.

### Construction

Conductor : Annealed copper  
Insulation : XLPE

### Color

2cores: Black, White  
3cores: Black, White, Red  
4cores: Black, White, Red, Green

### Temperature Rating

70°C

### Standard

K60502-1

### Marking

☐ KTC HB01002-16028A K60502-1 0.6/1kV TFR-CV 00mm<sup>2</sup> X0C KISEONG 0000  
MADE IN KOREA

### Single Core

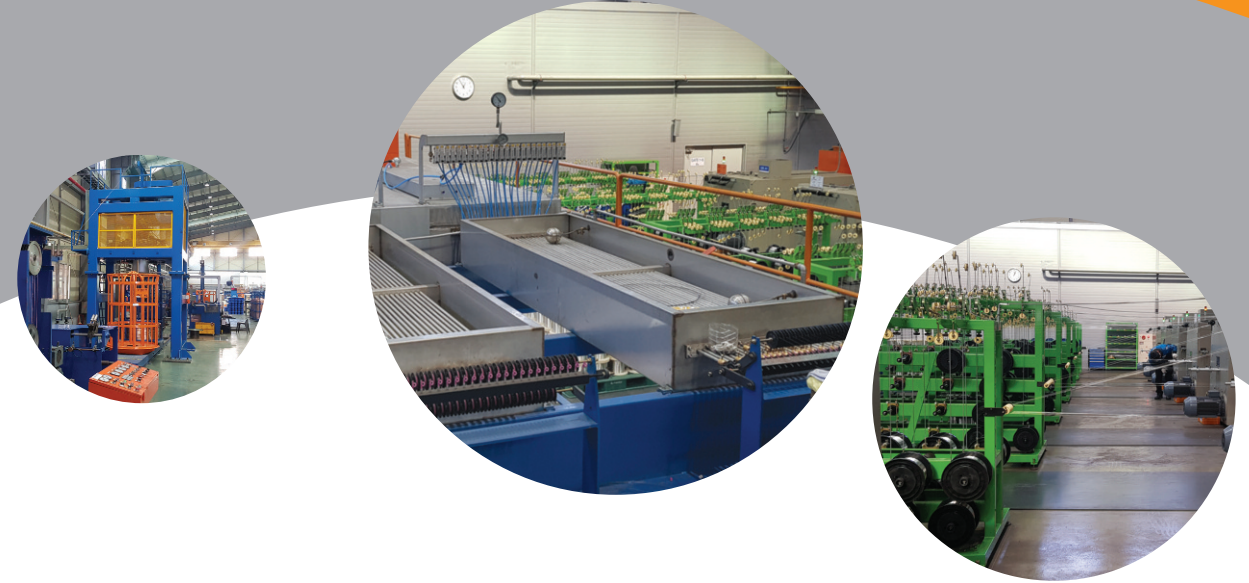
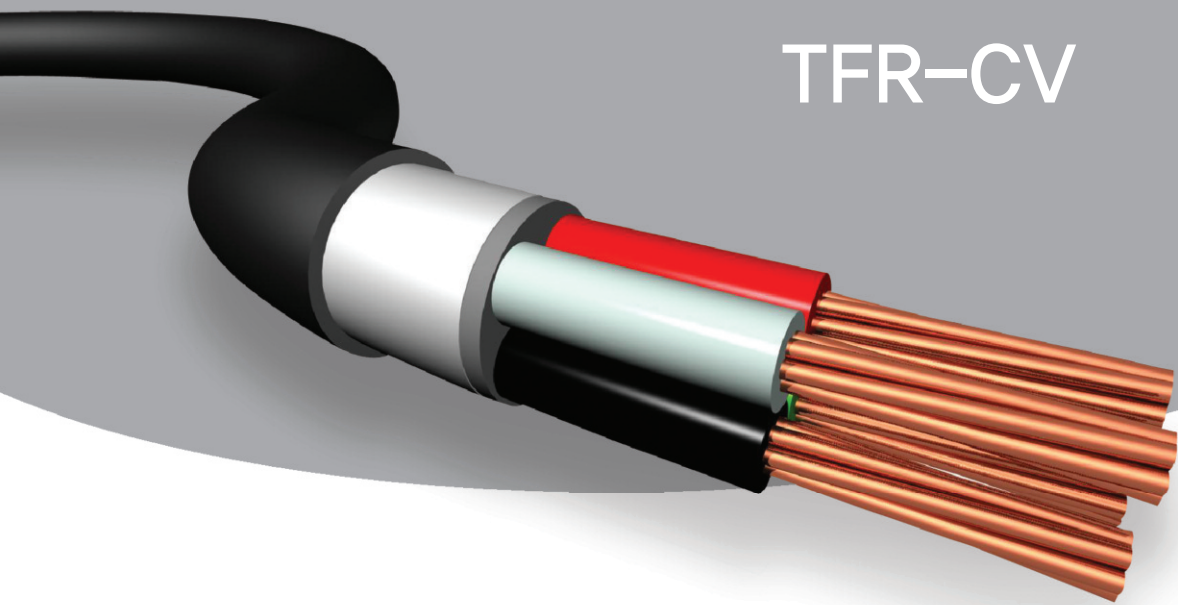
Nominal cross-sectional area	Conductor		Thickness	Outer Diameter	Max. Conductor Resistance at 20°C	weight	Packing Length
	Composition	Outer Diameter					
mm <sup>2</sup>	No/mm	mm	mm	mm	Ω/km	kg/km	m
1.5	7/0.53	1.59	0.7	6.3	12.1	60	300
2.5	7/0.67	2.01	0.7	6.7	7.41	75	300
4.0	7/0.85	2.55	0.7	7.2	4.61	95	300
6.0	7/1.04	3.12	0.7	7.8	3.08	115	300
10	7/1.35	4.05	0.7	9.4	1.83	160	300
16	C.C	4.7	0.7	10	1.15	220	300
25	C.C	5.9	0.9	12	0.727	320	300
35	C.C	6.9	0.9	13	0.524	420	300
50	C.C	8.1	1.0	14.5	0.387	565	300
70	C.C	9.8	1.1	16	0.268	750	300
95	C.C	11.4	1.1	18.5	0.193	1,005	300
120	C.C	12.9	1.2	20	0.153	1,260	300
150	C.C	14.4	1.4	22	0.124	1,560	300
185	C.C	15.9	1.6	24	0.0991	1,935	200
240	C.C	18.3	1.7	27	0.0754	2,455	200
300	C.C	20.5	1.8	30	0.0601	3,065	200
400	C.C	23.2	2.0	34	0.0470	3,995	150
500	C.C	26.4	2.2	37	0.0366	4,840	150
630	C.C	30.2	2.4	42	0.0283	6,540	150

### Two Cores

Nominal cross-sectional area	Conductor		Thickness	Outer Diameter	Max. Conductor Resistance at 20°C	weight	Packing Length
	Composition	Outer Diameter					
mm <sup>2</sup>	No/mm	mm	mm	mm	Ω/km	kg/km	m
1.5	7/0.53	1.59	0.7	11	12.1	130	300
2.5	7/0.67	2.01	0.7	12	7.41	160	300
4.0	7/0.85	2.55	0.7	13	4.61	210	300
6.0	7/1.04	3.12	0.7	14	3.08	260	300
10	7/1.35	4.05	0.7	17	1.83	365	300
16	C.C	4.7	0.7	18.5	1.15	490	300
25	C.C	5.9	0.9	22	0.727	720	300
35	C.C	6.9	0.9	24	0.524	940	300
50	C.C	8.1	1.0	27	0.387	1,255	300
70	C.C	9.8	1.1	31	0.268	1,665	300
95	C.C	11.4	1.1	35	0.193	2,220	300
120	C.C	12.9	1.2	38	0.153	2,770	300
150	C.C	14.4	1.4	43	0.124	3,440	300
185	C.C	15.9	1.6	47	0.0991	4,275	200
240	C.C	18.3	1.7	53	0.0754	5,540	200
300	C.C	20.5	1.8	58	0.0601	6,800	200



# TFR-CV



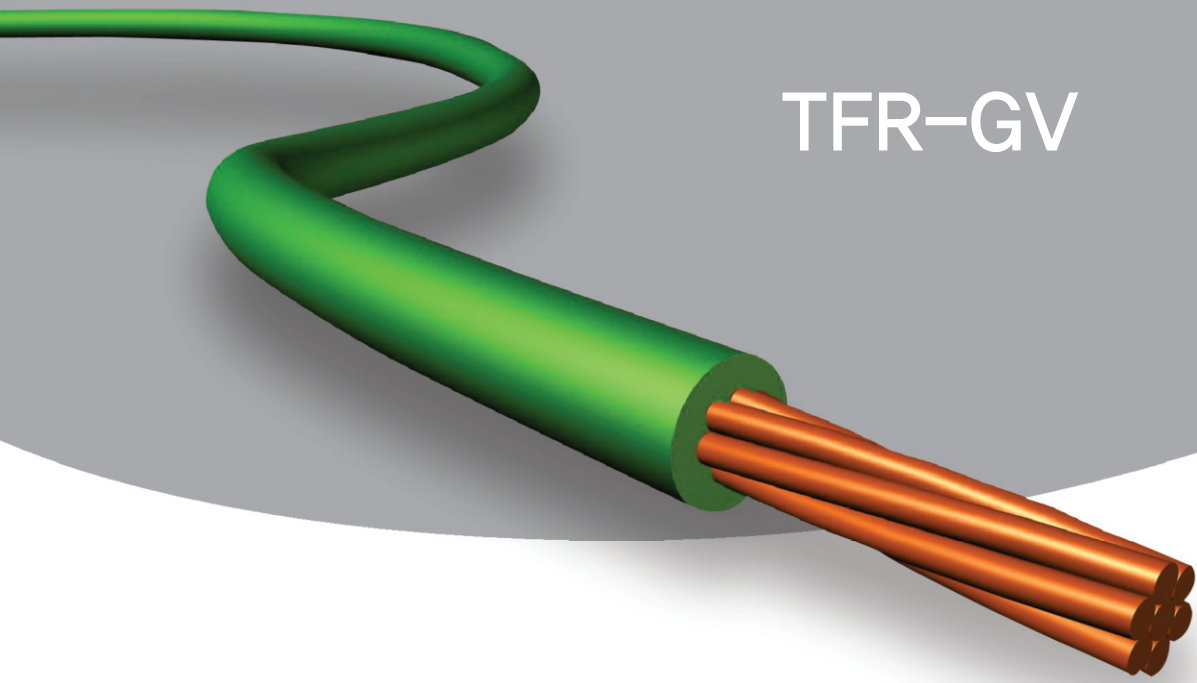
## Two Cores

Conductor			Thickness	Outer Diameter	Max. Conductor Resistance at 20°C	weight	Packing Length
Nominal cross-sectional area	Composition	Outer Diameter					
mm <sup>2</sup>	No/mm	mm	mm	mm	Ω/km	kg/km	m
1.5	7/0.53	1.59	0.7	11.5	12.1	155	300
2.5	7/0.67	2.01	0.7	12.5	7.41	190	300
4.0	7/0.85	2.55	0.7	13.5	4.61	255	300
6.0	7/1.04	3.12	0.7	14.5	3.08	330	300
10	7/1.35	4.05	0.7	18	1.83	470	300
16	C.C	4.7	0.7	19.5	1.15	650	300
25	C.C	5.9	0.9	23	0.727	970	300
35	C.C	6.9	0.9	25	0.524	1,280	300
50	C.C	8.1	1.0	29	0.387	1,725	300
70	C.C	9.8	1.1	33	0.268	2,320	300
95	C.C	11.4	1.1	37	0.193	3,105	300
120	C.C	12.9	1.2	41	0.153	3,890	300
150	C.C	14.4	1.4	46	0.124	4,835	300
185	C.C	15.9	1.6	50	0.0991	6,030	200
240	C.C	18.3	1.7	57	0.0754	7,670	200
300	C.C	20.5	1.8	62	0.0601	9,575	200

## Four Cores

Conductor			Thickness	Outer Diameter	Max. Conductor Resistance at 20°C	weight	Packing Length
Nominal cross-sectional area	Composition	Outer Diameter					
mm <sup>2</sup>	No/mm	mm	mm	mm	Ω/km	kg/km	m
1.5	7/0.53	1.59	0.7	12.5	12.1	180	300
2.5	7/0.67	2.01	0.7	13.5	7.41	235	300
4.0	7/0.85	2.55	0.7	14.5	4.61	305	300
6.0	7/1.04	3.12	0.7	16	3.08	405	300
10	7/1.35	4.05	0.7	20	1.83	590	300
16	C.C	4.7	0.7	22	1.15	820	300
25	C.C	5.9	0.9	26	0.727	1,245	300
35	C.C	6.9	0.9	28	0.524	1,645	300
50	C.C	8.1	1.0	32	0.387	2,240	300
70	C.C	9.8	1.1	36	0.268	3,020	300
95	C.C	11.4	1.1	42	0.193	4,060	300
120	C.C	12.9	1.2	46	0.153	5,105	300
150	C.C	14.4	1.4	51	0.124	6,345	300
185	C.C	15.9	1.6	56	0.0991	7,930	200
240	C.C	18.3	1.7	63	0.0754	10,060	200
300	C.C	20.5	1.8	70	0.0601	12,600	200

# TFR-GV



### Application

This cable is used for grounding of electric apparatus under AC 0.6/1KV

### Construction

Conductor : Stranded Annealed Copper (Class 2)  
Insulation : Flame-retardant, Abrasion-and moisture-resistant PVC

### Color

Green

### Temperature Rating

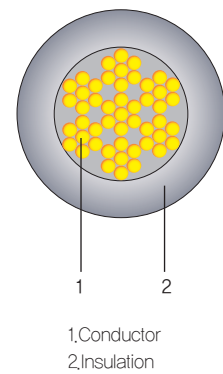
70°C

### Standard

K60502-1

### Marking

KTC HB00000-0000A 0.6/1kV TFR-GV 00mm<sup>2</sup> KISEONG 0000 MADE IN KOREA

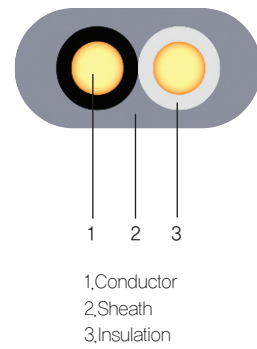
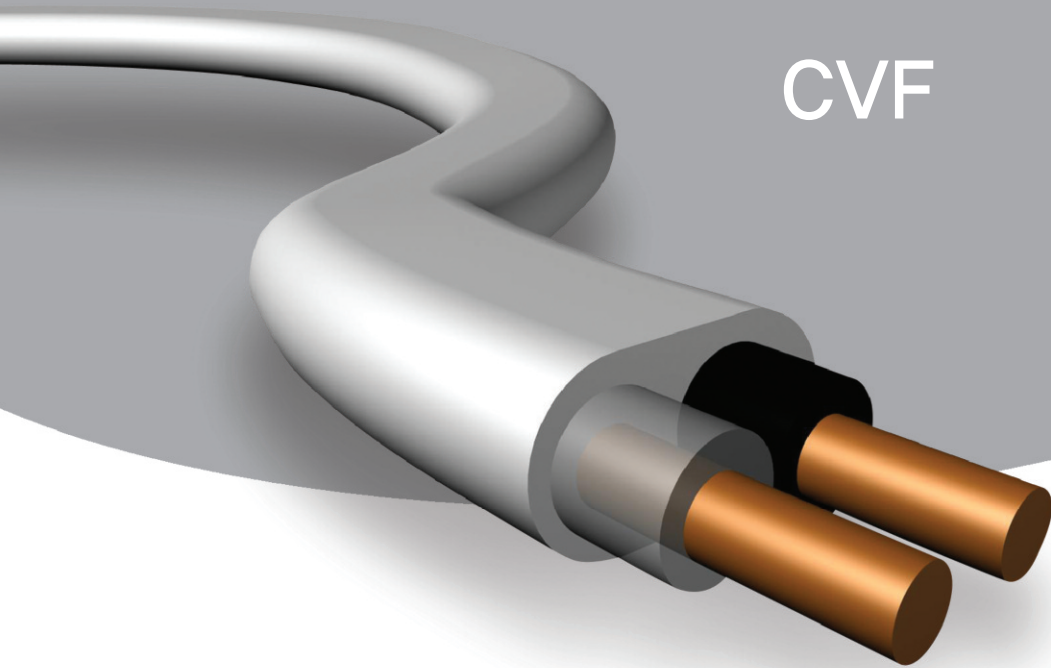


### TFR-GV

Nominal cross-sectional area	Conductor		Insulation Thickness	Outer Diameter	Max. Conductor Resistance at 20°C	Test Voltage	Approx. Weight	Packing Length
	Composition	Outer Diameter						
mm <sup>2</sup>	No./mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	2.2	6.0	12.1		60	
2.5	7/0.67	2.01	2.2	6.5	7.41		70	
4.0	7/0.85	2.55	2.4	7.5	4.61		100	
6.0	7/1.04	3.12	2.4	8.0	3.08		120	
10	7/1.35	4.05	2.4	9.0	1.83		170	
16	C.C	4.7	2.4	10	1.15		230	
25	C.C	5.9	2.6	11.5	0.727		340	300
35	C.C	6.9	2.6	12.5	0.524		435	
50	C.C	8.1	2.8	14	0.387		575	
70	C.C	9.8	2.8	15.5	0.268	3,500	790	
95	C.C	11.4	3.1	18	0.193		1070	
120	C.C	12.9	3.1	19.5	0.153		1320	
150	C.C	14.4	3.4	21.5	0.124		1620	
185	C.C	15.9	3.7	23.5	0.0991		2010	
240	C.C	18.3	4.0	26.5	0.0754		2620	200
300	C.C	20.5	4.3	29.5	0.0601		3260	
400	C.C	23.2	4.6	34.0	0.0470		4,200	
500	C.C	26.4	4.9	38.0	0.0366		5,060	150
630	C.C	30.2	5.0	42.0	0.0283		6,740	



# CVF



### Application

Used for using in power distribution line for control system under 0.6/1KV.

### Construction

Conductor : Annealed Copper wire

Insulation : PE

Sheath : PVC

### Color

Insulation : Black, White

Sheath : White

### Temperature Rating

70°C

### Standard

K60502-1

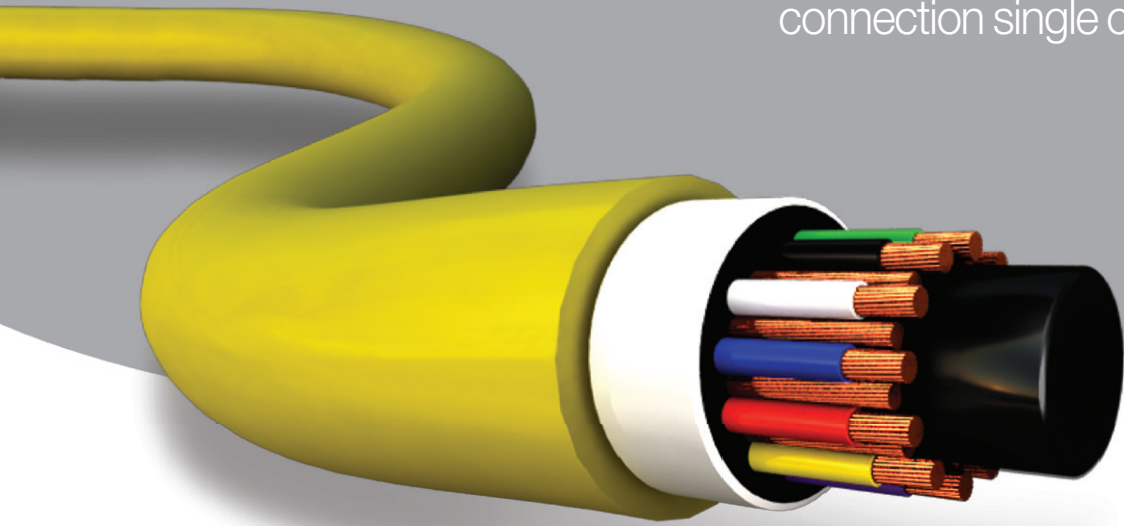
### Marking

☐ KTC HB01002-16021B KC 60502-1 0.6/1kv CVF 00mm<sup>2</sup> X0C KISEONG 0000  
MADE IN KOREA

## CVF

Nominal cross-sectional area	Conductor		Color	Insulation Thickness	Sheath Thickness	Outer Diameter	Max. Conductor Resistance at 20°C	Packing Length
	Composition	Outer Diameter						
mm <sup>2</sup>	No./mm	mm		mm	mm	mm	Ω/km	m
1.5*2	1/1.38A	1.59	BK	0.7	1.8	8.2 X 5.5	12.1	
			WH	0.7				
2.5*2	1/1.74A	2.01	BK	0.7	1.8	8.8 X 6.0	7.41	100
			WH	0.7				
4.0*2	1/2.25A	2.55	BK	0.7	1.8	10.1 X 6.5	4.61	
			WH	0.7				

## CO<sub>2</sub> Welding connection single cable



### Application

This cable is an advanced cable of existing cables which use 8 strands of control cables and 2 strands of power cords to connect gas hose tubes and control cables and welding lines. In addition, this cable is lighter and easier to be carried and disassembled compared to existing cables.

### Construction

Power Supply Conductor : 5th-Grade Twisted Copper Wire (A or TA / Multi-Sized Strand) or Hi-Wrap Wire  
 Power Supply Insulation : XLPE Scan Line or Corresponding Electric Wire  
 Gas Hose : XL-TPE or Corresponding TPE  
 Conductor for Welding Power  
 Sheath : FR-TPE

### Color

Power Supply : Black, White  
 Outer Cover : Red, Green, Yellow, Brown, Blue, Gray, Orange, and Violet

### Temperature Rating

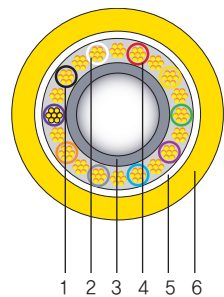
120°C

### Certificate

Self Specifications (Following the specifications approval negotiated with a customer)

### Marking

 CO<sub>2</sub> SINGLE CABLE 00mm<sup>2</sup> X0C KISEONG 0000 MADE IN KOREA



1. Power Supply(Irradiated Wire)
2. Conductor (Annealed Copper Wires for Electrical Purposes)
3. Hose M(Modified) TPE
4. Control Wire(Irradiated Wire)
5. Non-Woven Fabric Tape
6. Sheath M(Modified) TPE

## CO<sub>2</sub> Welding Connection Single Cable

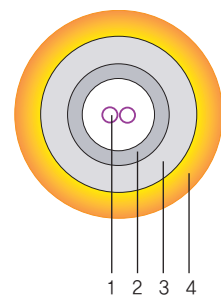
Power Copper			Control wire				Hose			Overall		Voltage in Water	Packing Length	Approx. Weight	
Nominal cross-sectional area	Composition	Max. Conductor Resistance at 20°C	Nominal cross-sectional area	Composition	Approx. Diameter	Thickness of insulation Specified value	Max. Conductor Resistance at 20°C	Approx. Inside Diameter	Thickness of Hose Specified value	Approx. Diameter	Sheathed Thickness				Mean overall diameter
mm <sup>2</sup>	No./mm	Ω/km	mm <sup>2</sup>	No./mm	mm	mm	Ω/km	mm	mm	mm	mm	mm	kV/min	m	kg/km
38mm <sup>2</sup> +10C	14/54/ 0.26mm	0.45	1.25	50/0.18	1.4	0.65	14.7	8.0	3.0	14.0	2.5	23.0mm±0.3mm	1.0		680
			0.75	30/0.18	1.1	0.55	24.4								
60mm <sup>2</sup> +10C	14/85/ 0.26mm	0.31	1.25	50/0.18	1.4	0.65	14.7	8.0	3.0	14.0	2.7	25.0mm±0.3mm	1.0	30	950
			0.75	30/0.18	1.1	0.55	24.4								
62mm <sup>2</sup> +10C	14/87/ 0.26mm	0.32	1.25	50/0.18	1.4	0.65	14.7	8.0	3.0	14.0	2.7	25.0mm±0.3mm	1.0	50	970
			0.75	30/0.18	1.1	0.55	24.4								
68mm <sup>2</sup> +10C	14/94/ 0.26mm	0.27	1.25	50/0.18	1.4	0.65	14.7	8.0	3.0	14.0	2.7	25.0mm±0.3mm	1.0	100	1000
			0.75	30/0.18	1.1	0.55	24.4								
80mm <sup>2</sup> +10C	14/78/ 0.31mm	0.26	1.25	50/0.18	1.4	0.65	14.7	8.0	3.0	14.0	2.7	26.5mm±0.3mm	1.0	300	1160
			0.75	30/0.18	1.1	0.55	24.4								
38mm <sup>2</sup> +10C (RB Hose)	14/54/ 0.26mm	0.45	1.25	50/0.18	1.4	0.65	14.7	8.0	3.5	15.0	2.5	23.0mm±0.3mm	1.0	500	690
			0.75	30/0.18	1.1	0.55	24.4								
60mm <sup>2</sup> +10C (RB Hose)	14/85/ 0.26mm	0.31	1.25	50/0.18	1.4	0.65	14.7	8.0	3.5	15.0	2.7	25.5mm±0.3mm	1.0		960
			0.75	30/0.18	1.1	0.55	24.4								

Note : Due to the use and structural characteristics, these technical specifications and physical characteristics can change without prior notice through a series of researches and developments by the patent holder and manufacturer. As such, you are recommended to visit the company and check any change in technical specifications.



# Product\_WELDING CABLE

## CO<sub>2</sub> Welding ALL IN ONE cable



- 1. Control
- 2. Gas Hose Tube
- 3. Conductor for Welding Power
- 4. Insulation

### Application

While existing CO<sub>2</sub> single cables, which have been generally used to weld iron plates at the majority of dockyards, are composed of 8 strands of control cables (0.75mm<sup>2</sup> A, 0.85mm<sup>2</sup> TA scan line) and 2 strands of power cords (1.25mm<sup>2</sup> A, 1.25mm<sup>2</sup> TA scan line), our "ALL IN ONE CABLE" has no welding machine control cable. Namely, it uses two strands of power cords (1.25mm<sup>2</sup> A, 1.25mm<sup>2</sup> TA) of the wire feeder motor to comprise an electric wire-based communication network and digitally control the main body of a welding machine.

### Construction

Power Supply Conductor : 5th-Grade Twisted Copper Wire(A or TA / Multi-Sized Strand) or Hi-Wrap Wire  
 Power Supply Insulation : XLPE Scan Line or Corresponding Electric Wire  
 Gas Hose : XL-TPE or Corresponding TPE  
 Conductor for Welding Power  
 Sheath : FR-TPE

### Color

Power Supply : Black, White  
 Outer Cover : Yellow, Blue, Orange, Red or Other Colors Requested

### Temperature Rating

120°C

### Certification

Head of Korea Intellectual Property Office (10-0830184, May 9, 2008)

### Marking

KS ALL IN ONE (10-0830184) CABLE 62mm<sup>2</sup> + 2C CELNICS – KISEONG 0000 MADE IN KOREA

## CO<sub>2</sub> Welding ALL IN ONE Cable

Power Copper			Control wire					Hose			Overall		Voltage in Water	Packing Length	Approx. Weight
Nominal cross-sectional area	Composition	Max. Conductor Resistance at 20°C	Nominal cross-sectional area	Composition	Approx. Diameter	Thickness of insulation Specified value	Max. Conductor Resistance at 20°C	Approx. Inside Diameter	Thickness of Hose Specified value	Approx. Diameter	Sheathed Thickness	Mean overall diameter			
mm <sup>2</sup>	No./mm	Ω/km	mm <sup>2</sup>	No./mm	mm	mm	Ω/km	mm	mm	mm	mm	mm			
62	18/67/0.26mm	0.31	1.25	50/0.18	1.3	0.6	14.7	8.5	3.0	14.5	2.0	22.0	1.0	500	795

Note : Due to the use and structural characteristics, these technical specifications and physical characteristics can change without prior notice through a series of researches and developments by the patent holder and manufacturer. As such, you are recommended to visit the company and check any change in technical specifications.

## CO<sub>2</sub> Torch cable



### Application

In shipbuilding, construction, steel-frame working, and manufacturing large-sized industrial machinery, it can be lengthened with the help of the main body of a welding machine and a wire feeder. Especially, unlike the CO<sub>2</sub> single cable, it can be very flexibly applied to recessed corners and bent fringes. Moreover, with the synthetic rubber which has superior electric characteristics, chemical resistance, weatherability, durability, preservability and aging resistance blended, this CO<sub>2</sub> cable withstands external shocks.

### Construction

Power Supply Conductor : 5th-Grade Twisted Copper Wire (A or TA / Multi-Sized Strand) or Hi-Wrap Wire  
 Power Supply Insulation : XLPE Scan Line or Corresponding Electric Wire  
 Gas Hose : EPDM, CR, CR/EPDM, PE/EVA/NR and many more  
 Conductor for Welding Power  
 Sheath : EVA/CR, BR, NR/CR and many more

### Color

Power Supply : Black, White  
 Outer Cover : Black

### Temperature Rating

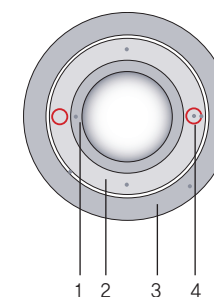
120°C

### Certification

Self Specifications (Following the specifications approval negotiated with a customer)

### Marking

KS TORCH-A 0mm<sup>2</sup> + 2C KISEONG 0000 MADE IN KOREA



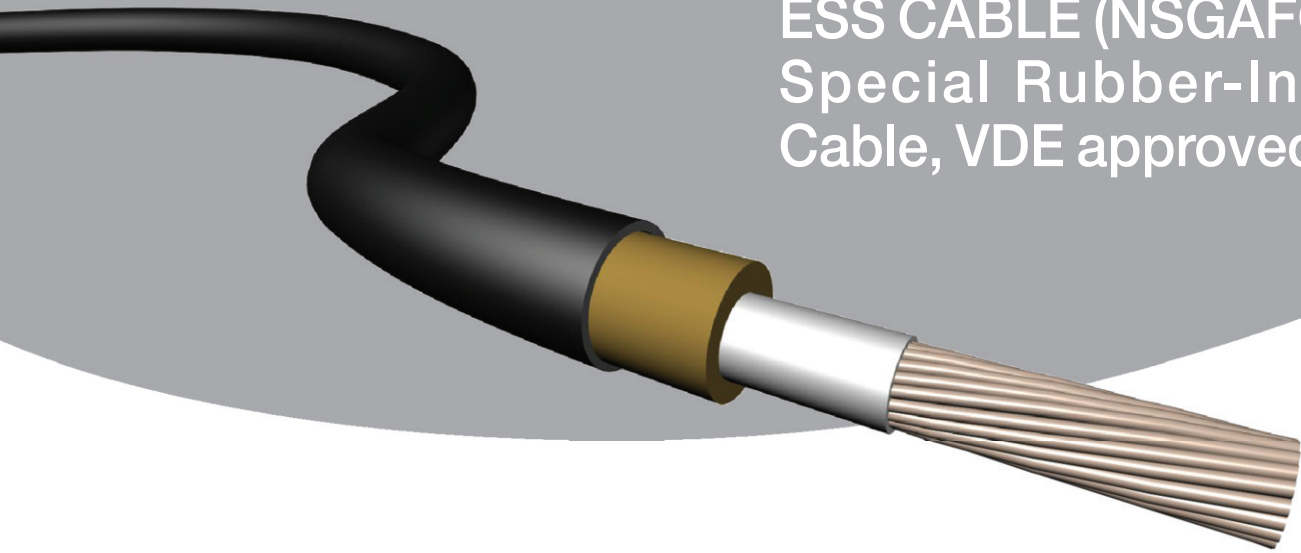
- 1. Gas Hose Tube
- 2. Conductor for Welding Power
- 3. Insulation
- 4. Control

## CO<sub>2</sub> Torch Cable

Power Copper			Control wire					Hose			Overall		Voltage in Water	Packing Length	Approx. Weight
Nominal cross-sectional area	Composition	Max. Conductor Resistance at 20°C	Nominal cross-sectional area	Composition	Approx. Diameter	Thickness of insulation Specified value	Max. Conductor Resistance at 20°C	Approx. Inside Diameter	Thickness of Hose Specified value	Approx. Diameter	Sheathed Thickness	Mean overall diameter			
mm <sup>2</sup>	No./mm	Ω/km	mm <sup>2</sup>	No./mm	mm	mm	Ω/km	mm	mm	mm	mm	mm			
22mm <sup>2</sup> +2C	18/48/0.18mm	0.85	0.5	20/0.18	0.9	0.31	39.0	7.0	1.5	10	1.8	18.0±0.3mm	1.0		340
30mm <sup>2</sup> +2C	18/66/0.18mm	0.64	0.5	20/0.18	0.9	0.31	39.0	8.0	1.5	11	2.0	19.0±0.3mm	1.0	200	480
38mm <sup>2</sup> +2C	20/75/0.18mm	0.6	0.5	20/0.18	0.9	0.31	39.0	8.0	1.5	11	2.0	19.0±0.3mm	1.0	300	500
50mm <sup>2</sup> +2C	20/73/0.21mm	0.39	0.5	20/0.18	0.9	0.31	39.0	8.0	1.5	11	2.1	20.0±0.3mm	1.0		600

Note : Due to the use and structural characteristics, these technical specifications and physical characteristics can change without prior notice through a series of researches and developments by the patent holder and manufacturer. As such, you are recommended to visit the company and check any change in technical specifications.

## ESS CABLE (NSGAFOU 3kV) Special Rubber-Insulated Cable, VDE approved.



### ESS

Conductor	Outer max. Diameter	Cop. Weight kg/km	Weight ca.kg/km	AWG
Nominal cross -sectional area				
mm <sup>2</sup>	mm	kg/km	kg/km	AWG
1.5	7.0	14.4	62.0	16
2.5	7.5	24.0	76.0	14
4.0	9.0	38.0	95.0	12
6.0	9.5	58.0	140.0	10
10	11.0	96.0	190.0	8
16	13.0	154.0	270.0	6
25	15.0	240.0	410.0	4
35	16.5	336.0	490.0	2
50	18.0	480.0	650.0	1
70	20.5	672.0	900.0	2/0
95	24.0	912.0	1200.0	3/0
120	26.0	1152.0	1450.0	4/0
150	28.0	1800.0	1800.0	300kcmil
185	31.0	2200.0	2200.0	350kcmil
240	34.5	2650.0	2650.0	500kcmil
300	38.0	3250.0	3250.0	600kcmil

#### Application

Particularly suitable for protection against short circuits in laying and for inherently earth-fault-proof routing in rail vehicles and omnibuses

#### Construction

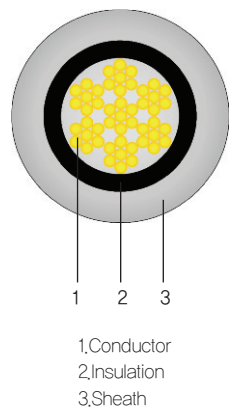
Conductor : Tinned fine copper wire  
Insulation : EPR  
Sheath : Polychloroprene, black, oil and abrasion resistant

#### Color

Insulation : BK  
Sheath : BK or RD

#### 도체 최고 온도

90°C





# Appendix

## • IEC Conductor Classification

### Class 1 solid conductors for single-core and multicore cables

Nominal cross-sectional area (mm <sup>2</sup> )	Maximum resistance of conductor (20°C)		
	Circular, annealed copper conductors		Aluminium and aluminium alloy conductors, circular or shaped (Ω/km)
	Plain wires (Ω/km)	Metal-coated wires (Ω/km)	
0.5	36.0	36.7	–
0.75	24.5	24.8	–
1.0	18.1	18.2	–
1.5	12.1	12.2	18.1
2.5	7.41	7.56	12.1
4	4.61	4.70	7.41
6	3.08	3.11	4.61
10	1.83	1.84	3.08
16	1.15	1.16	1.91
25	0.727	–	1.20
35	0.524	–	0.868
50	0.387	–	0.641
70	0.268	–	0.443
95	0.193	–	0.320
120	0.153	–	0.253
150	0.124	–	0.206
185	–	–	0.164
240	–	–	0.125
300	–	–	0.100

### Class 5 flexible copper conductors for single core and multi-core cables

Nominal cross-sectional area (mm <sup>2</sup> )	Maximum diameter of wires in conductor (mm)	Maximum resistance of conductor at (20°C)	
		Plain wires (Ω/km)	Metal-coated wires (Ω/km)
0.5	0.21	39.0	40.1
0.75	0.21	26.0	26.7
1.0	0.21	19.5	20.0
1.5	0.26	13.3	13.7
2.5	0.26	7.98	8.21
4	0.31	4.95	5.09
6	0.31	3.30	3.39
10	0.41	1.91	1.95
16	0.41	1.21	1.24
25	0.41	0.780	0.795
35	0.41	0.554	0.565
50	0.41	0.386	0.393
70	0.51	0.272	0.277
95	0.51	0.206	0.210
120	0.51	0.161	0.164
150	0.51	0.129	0.132
185	0.51	0.106	0.108
240	0.51	0.0801	0.0817
300	0.51	0.0641	0.0654
400	0.51	0.0486	0.0495
500	0.61	0.0384	0.0391
630	0.61	0.0287	0.0292

### Class 2 stranded conductors for single-core and multi-core cables

Nominal cross-sectional area (mm <sup>2</sup> )	Minimum number of wires in the conductor						Maximum resistance of conductor at (20°C)		
	Circular		Circular compacted		Shaped		Annealed copper conductor		Aluminium or Aluminium alloy conductor (Ω/km)
	Cu	Al	Cu	Al	Cu	Al	Plain wires (Ω/km)	Metal-coated wires (Ω/km)	
0.5	7	–	–	–	–	–	36.0	36.7	–
0.75	7	–	–	–	–	–	24.5	24.7	–
1.0	7	–	–	–	–	–	18.1	18.2	–
1.5	7	–	6	–	–	–	12.1	12.2	–
2.5	7	–	6	–	–	–	7.41	7.56	–
4	7	7	6	–	–	–	4.61	4.70	7.41
6	7	7	6	–	–	–	3.08	3.11	4.61
10	7	7	6	–	–	–	1.83	1.84	3.08
16	7	7	6	6	–	–	1.15	1.16	0.91
25	7	7	6	6	6	6	0.727	0.734	1.20
35	7	7	6	6	6	6	0.524	0.529	0.868
50	19	19	6	6	6	6	0.387	0.391	0.641
70	19	19	12	12	12	12	0.268	0.270	0.443
95	19	19	15	15	15	15	0.193	0.195	0.320
120	37	37	18	15	15	15	0.153	0.154	0.253
150	37	37	18	15	18	15	0.124	0.126	0.206
185	37	37	30	30	18	15	0.0991	0.100	0.164
240	61	61	34	30	30	30	0.0754	0.0762	0.125
300	61	61	34	30	34	30	0.0601	0.0607	0.100
400	61	61	53	53	34	30	0.0470	0.0475	0.0778
500	61	61	53	53	53	53	0.0366	0.0369	0.0605
630	91	91	53	53	53	53	0.0283	0.0286	0.0469
800	91	91	53	53	53	53	0.0221	0.0224	0.0367
1,000	91	91	53	53	–	–	0.0176	0.0177	0.0291
1,200	–	–	–	–	–	–	0.0151	0.0151	0.0247
(1,400)	–	–	–	–	–	–	0.0129	0.0129	0.0212
1,600	–	–	–	–	–	–	0.0113	0.0113	0.0186
(1,800)	–	–	–	–	–	–	0.0101	0.0101	0.0165
2,000	–	–	–	–	–	–	0.0090	0.0090	0.0149

### Class 6 flexible copper conductors for single-core and multi-core cables

Nominal cross-sectional area (mm <sup>2</sup> )	Maximum diameter of wires in conductor (mm)	Maximum resistance of conductor at (20°C)	
		Plain wires (Ω/km)	Metal-coated wires (Ω/km)
0.5	0.16	39.0	40.1
0.75	0.16	26.0	26.7
1.0	0.16	19.5	20.0
1.5	0.16	13.3	13.7
2.5	0.16	7.98	8.21
4	0.21	4.95	5.09
6	0.21	3.30	3.39
10	0.21	1.91	1.95
16	0.21	1.21	1.24
25	0.21	0.780	0.795
35	0.21	0.554	0.565
50	0.31	0.386	0.393
70	0.31	0.272	0.277
95	0.31	0.206	0.210
120	0.31	0.161	0.164
150	0.41	0.129	0.132
185	0.41	0.106	0.108
240	0.41	0.0801	0.0817
300	0.41	0.0641	0.0654

# Appendix

## Standard for Electric Wires

### Wire Gauge

The standard is a list of the conditions electric wires should satisfy material, processing methods, structure, quality, performance, testing methods, etc. It is divided into Korean, foreign and internationally-applied standards, prescribed by each country's authorities, industry, customers, groups, technical research centers, international organizations, etc. The followings are major ones.



#### ○ ASTM Standard

The American Society for Testing Materials has its own standard regarding the quality of electric wires' materials, their testing methods, etc.



#### ○ BS Standard

For the purpose of the technical and commercial improvement, standardization and unification of electric wire materials, the British Standard Institution prescribes general requirements regarding electric wires.



#### ○ CEE Standard

This standard, enacted by the Commission Internationale de Rege lmentation envue de l'Approbation de l' Equipment Electrique, is to guarantee electric safety in European countries.



#### ○ CSA Standard

Enacted by the Canadian Standards Association, this standard is to protect human life and guarantee safety in using electric appliances. Any electric appliance to be exported to Canada should satisfy this standard.



#### ○ DIN Standard

This national standard was enacted by the Deutsches Institut fur Normung of Germany.



#### ○ IEC Standard

This is a national standard enacted by the International Electrotechnical Commission. With regard to electricity and its use, this standard prescribes certain requirements for electric facility, electric apparatuses for vessels, electric cables, high-frequency cables, magnet wires, etc.



#### ○ JCS Standard

Japanese cable makers' Association, This is a standard made by the Japanese cable makers' Association to standardize electric wire products.



#### ○ Japan Industrial Standard

This was prepared and deliberated according to the Japanese Industrial Standard Act and enacted by the Japanese government, prescribing general requirements with regard to electric wires.



#### ○ KS Standard

Korean Standard



#### ○ NEMA Standard

This was enacted by the National Electrical Manufacturers Association of the United States. Regarding electric wires, its requirements related to magnet wires and rubber plastic electric cables are widely applied worldwide.



#### ○ NF Standard

This is an international standard enacted by the Association Francaise de Normalisation, prescribing general requirements regarding electric wires.



#### ○ UL Standard

This standard regarding electric equipment was enacted by the Underwriters Laboratories of the United States. This is one of the most important standards for the electric appliances exported to the country to satisfy.



#### ○ VDE Standard

This is a standard enacted by the Verband Deutsher Elektrotechniker of Germany. It prescribes certain requirements regarding electric cables cords, etc.

### International Organizations Concerning Electric Wires

- IEC (International Electrotechnical Commission)
- IEEE (Institute of Electrical and Electronics Engineers)
- CE (Conformite Europeene)
- TUV (technischer Uberwachungsverein)
- VDE (Verband Deutscher Elektrotchniker e.v)
- UL (Underwriters Laboratories)
- CSA (Canadian Standards Association)
- C-UL (CSA-Underwriters Laboratories)

# Certificate

KS CABLE, certified Korea Industrial Standard, has become a global company in order to respond to the global era by acquiring various international quality certifications. We have been producing products to comply with IEC Standard introduced by the International Electrotechnical Commission as well as UL Standard introduced by Underwriters Laboratories, Inc. which is most important in exporting to U.S. and North America.





# R&D

## Research & Development

The R&D Center at KS Cable is proud of its research associates who place top priority on environment as well as product quality. In order to take a leading position in global competition, the R&D Center not only concentrates all the research capability on environment friendly product development to allow people to have a richer life but also improves quality ultimately satisfy its business partners.

### R&D Areas

#### • Basic Development

The R&D Center has been not only setting up databases for basic cable technology and analysis of raw materials but also reflecting the databases in our product design and quality

#### • Product Utilization Research

In order to satisfy our customers' needs accomplish our goals of rapid product developments, the R&D Center has focused on applications of basic theories and databases to development of new products

#### • Quality Upgrade Research

The center is well-equipped with a full range of test facilities and measuring devices to perform basic tests on raw materials and quality tests of our products



In order to meet global environmental product requirements – in part specified by the European Union's Restriction on Hazardous Substances (RoHS) Directive, the Waste Electrical and Electronic Equipment (WEEE) Directive, and China RoHS – KS Cable has developed a restricted materials specification to encompass all raw materials, parts, or components that are ultimately incorporated into our products.

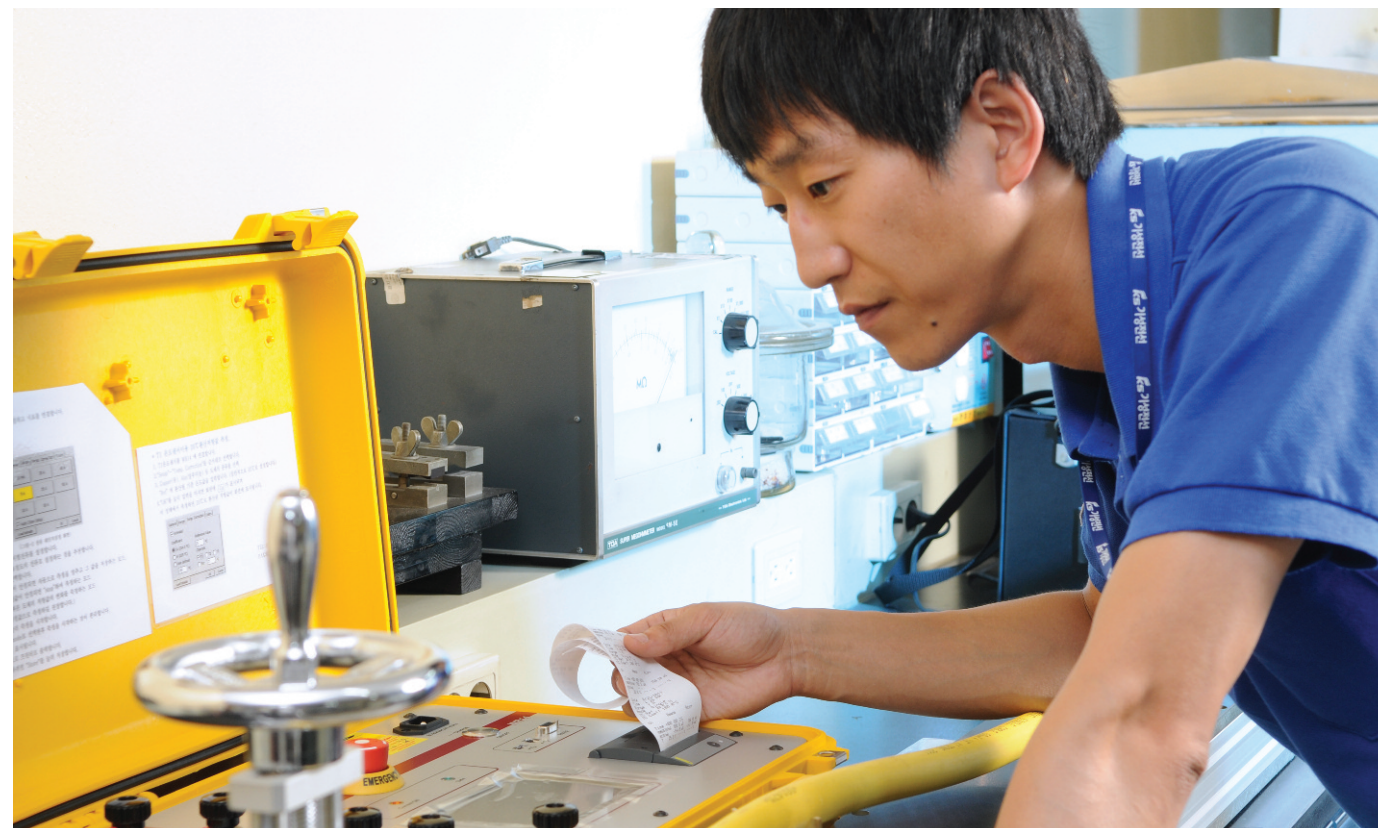
Moreover, we have been greatly focusing on reliable solutions for alternative power generation including wind, hydro, solar or other renewable energy applications.





Quality Management

KS CABLE's quality policy lays emphasis on producing the best products satisfying a variety of customer requirements through continuous quality improvement efforts and quality assurance activities. Therefore, we proudly introduced the ISO 9001 quality management system and we positively reflect all regulations for their requirements on management activities, establishing quality assurance system. In addition, we are trying our best to quality improvement activities to meet the requirements of the clients as all employees fully understand, execute, and keep the requirements of quality management manual. Also, in order to meet domestic and international regulations and set strict internal quality standards reflected customers' expectations, we are carrying out monitoring as well as quality inspection of the overall manufacturing process.







The right people and the right company create the right product.

Since 1972

KS cable has come the right way called "Right Way of Management" during 40 years. The greatest source to be possible for 40 years is just because of the right people. In other words, the right people are able to form the right company and create the right product. KS cable has continually walked the right way to produce the right product with the right people and the right corporate culture in mind of "slow but steady always wins the race".



Premium Cable

KISEONG CABLE



KISEONG CABLE



KS CABLE will reward the best quality.

Thank you, our loyal customers. We will reward the best quality. As KS CABLE introduced the ISO 9001 quality management system, we are establishing quality assurance system. In addition, we are trying our best to quality improvement activities. KS CABLE is not satisfied at this stage and will devote the company-wide effort to produce eco-friendly products that customers can use with peace of mind. Thank you again.







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