An enterprise that creates the future using human environment oriented technology

KangWon

CABLE WIRE

KANGWON
Wire & Cable.Co.

CABLE WIRE

강원전선주식회사

Contents

Introduction

Dalryeoon ceaselessly the past 50years, KangWon Cable has created a warm light in the world .
In the cable industry, towering pillars of a global company in the world to grow ahyitissi the light of the world has warmed.
Customer satisfaction is the best reason to pursue the KangWon Cable and value.
Take the wires today for the production of high quality products flowing siem passion and KangWon Cable. Efforts will continue.

Company History

1960 65. 05 Establishment of Taihan Vinyl Ind'

1970 76. 07 Changed company name to ShinTaihan Electric Ind'
79. 02 Electric appliance manufacturing authorization
79.09~99.07 Electric appliance form approval (18 types)

1980 86.05 Acquired KS mark certification
~2011.02 (KS C3113 ACSR & 9 other products)
87.05 Awarded the prime minister prize
87.05 Relocation of head office and production plant to Chun-Cheon city

1990 99.03 Acquired KEPCO delivery qualification
~2011.03 (ACSR,TR CNCE-W,TR CNCE-/AL etc.)
98.11 Merger of Korea Industrial Development co., ltd.
99.02 Quality management system certification (KS A 9001/ISO 9001)

2000 02.08 Acquired electrical appliance safety certification
~12.08 (25 type basic model)
03.03 Changed company name to Tainhan Metal & Cable co., ltd.
07.10 Acquired INNO-BIZ certification
08.06 Awarded the best quality management company
(Governor of Gangwon)

2010 2017.03 Change in company representative & Changed company
name to Kangwon Cable co., ltd.
2017.10 Production of Trolley Wire, Messenger Wire, Dropper Wire

Insulated Wire

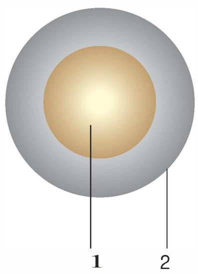
Insulated Wire

300/500V Heat-Resistant PVC Insulated Wire(HIV)
450/750V Single Core Non-Sheathed Cable with Rigid Conductor for General Purpose(IV)
450(/fJJV Halogen Free Flame-Retardant Poly-Olefin Insulation Wire(HFIX)
600V Outdoor Weather Proof PVC Insulated Wire(OW)
600V PVC Insulated Drop Service Wire(DV)
Aluminum Insulated Wire(ACSR-OC)

HIV

300/500V Heat-Resistant PVC Insulated Wire

60227 KS C IEC 07



1. Conductor
2. Insulation

APPLICATION

It is used mainly in wiring of electric apparatus and equipment under 300/500V grade, and insulated with compound mainly composed of PVC resin including heatresistant plasticizer

COMPONENT

1. Conductor : Annealed Copper Wire, Solid conductor Class 1
2. Insulation : PVC(PVC/E)
3. Colour of insulation : Standard colors are Black, White, Red , Green, Yellow, Blue
4. Maximum allowable temperature : 90℃

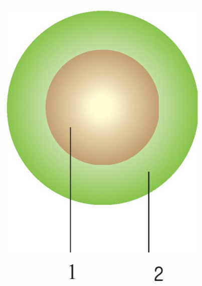
KS C IEC 60227-3

Conductor			Nominal Insulation Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Min. Insulation Resistance at 90 ℃	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm^2	No./mm	mm	mm	mm	Ω/㎞	V/5min	MΩ -㎞	kg/km	m
1.5	1/1.38	1.38	0.7	3.2	12.1	2,500	0.011	20	300
1.5	7/0.53	1.59	0.7	3.3	12.1	2,500	0.010	25	300
2.5	1/1.78	1.78	0.8	3.9	7.41	2,500	0.009	35	300
2.5	7/0.67	2.01	0.8	4	7.41	2,500	0.009	35	300

IV

450/750V PVC Insulated Wire

60227 KS IEC 01



1. Conductor
2. Insulation

APPLICATION

It is chiefly used for indoor distribution line under 450/750V grade and safe use over a long period is assured.

COMPONENT

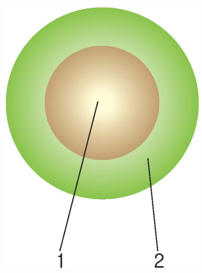
1. Conductor : Annealed Copper Wire, Solid conductor Class 1, Stranded conductor Class 2
2. Insulation : PVC(PVC/C)
3. Colour of insulation : Standard colors are Black, White, Red, Green, Yellow, Blue
4. Maximum allowable temperature : 70℃

KS C IEC 60227-3

Conductor			Nominal Insulation Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Min. Insulation Resistance at 70 ℃	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm^2	No./mm	mm	mm	mm	Ω/km	V/5min	MΩ-km	kg/km	m
1.5	1/1.38	1.38	0.7	3.2	12.1	2,500	0.011	20	300
1.5	7/0.53	1.59	0.7	3.3	12.1	2,500	0.010	25	300
2.5	1/1.78	1.78	0.8	3.9	7.41	2,500	0.010	35	300
2.5	7/0.67	2.01	0.8	4	7.41	2,500	0.009	35	300
4	1/2.25	2.25	0.8	4.4	4.61	2,500	0.0085	50	300
4	7/0.85	2.55	0.8	4.6	4.61	2,500	0.0077	55	300
6	1/2.76	2.76	0.8	5	3.08	2,500	0.007	70	300
6	7/1.04	3.12	0.8	5.2	3.08	2,500	0.0065	75	300
10	1/3.57	3.57	1.0	6.4	1.83	2,500	0.007	115	300
10	7/1.35	4.05	1.0	6.7	1.83	2,500	0.0065	120	300
16	CC	4.7	1.0	7.8	1.15	2,500	0.005	170	300
25	CC	5.9	1.2	9.7	0.727	2,500	0.005	270	300
35	CC	7.0	1.2	10.9	0.524	2,500	0.004	370	300
50	CC	8.5	1.4	12.8	0.387	2,500	0.0045	510	300
70	CC	9.8	1.4	14.6	0.268	2,500	0.0035	685	300
95	CC	11.5	1.6	17.1	0.193	2,500	0.0035	935	300
120	CC	13.0	1.6	18.8	0.153	2,500	0.0032	1,170	300
150	CC	14.6	1.8	20.9	0.124	2,500	0.0032	1,450	300
185	CC	16.1	2.0	23.3	0.0991	2,500	0.0032	1,820	200
240	CC	18.5	2.0	26.6	0.0754	2,500	0.0032	2,305	300
300	CC	20.5	2.4	29.6	0.0601	2,500	0.003	2,925	200
400	CC	24.1	2.6	33.2	0.047	2,500	0.0028	3,820	200

HF-IX

450/750V Halogen Free Flame-Retardant Poly-Olefin Insulated Wire



HFIX

1. Conductor
2. XLPO

APPLICATION

It is used mainly in wiring of electric apparatus and equipment under AC 450/750V grade, and halogen free flame retardant polyolefin insulated wire.

COMPONENT

1. Conductor : Annealed Copper Wire
   (Solid, Concentric Circular, Compact circular)
2. Insulation : HF-XLPO
3. Core Identification : Black, White, Red, Green, Yellow, Blue
4. Maximum Allowable Temperature : 90℃

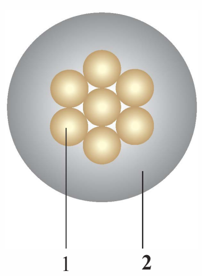
450/750V HFIX

KS C 3341

Conductor		Outer Diameter	Nominal Insulation Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Min. Insulation Resistance at 70 ℃	Test Voltage	Approx Weight
Nominal Sectional Area	Number & Diameter							
mm²		mm	mm	mm	Ω/km	MΩ/km	V/5min	kg/km
1.5	1	0.7	2.6	3.2	12.1	0.011	2,500	20
1.5	2	0.7	2.7	3.3	12.1	0.010	2,500	20
2.5	1	0.8	3.2	3.9	7.41	0.009	2,500	40
2.5	2	0.8	3.3	4.0	7.41	0.009	2,500	40
4	1	0.8	3.6	4.4	4.61	0.0085	2,500	50
4	2	0.8	3.8	4.6	4.61	0.0077	2,500	50
6	1	0.8	4.1	5.0	3.08	0.0070	2,500	70
6	2	0.8	4.3	5.2	3.08	0.0065	2,500	70
10	1	1.0	5.3	6.4	1.83	0.0070	2,500	120
10	2	1.0	5.6	6.7	1.83	0.0065	2,500	120
16	2	1.0	6.4	7.8	1.15	0.0050	2,500	170
25	2	1.2	8.1	9.7	0.727	0.0050	2,500	250
35	2	1.2	9.0	10.9	0.524	0.0043	2,500	350
50	2	1.4	10.6	12.8	0.387	0.0043	2,500	480
70	2	1.4	12.1	14.6	0.268	0.0035	2,500	670
95	2	1.6	14.1	17.1	0.193	0.0035	2,500	920
120	2	1.6	15.6	18.8	0.153	0.0032	2,500	1,160
150	2	1.8	17.3	20.9	0.124	0.0032	2,500	1,430
185	2	2.0	19.3	23.3	0.0991	0.0032	2,500	1,780
240	2	2.2	22.0	26.6	0.0754	0.0032	2,500	2,320
300	2	2.4	24.5	29.6	0.0601	0.0030	2,500	3,730
400	2	2.6	27.5	33.2	0.0470	0.0028	2,500	3,730

OW

Outdoor Weather Proof PVC Insulated Wire



1. Conductor
2. Insulation

APPLICATION

It is used for overhead low-voltage distribution line and composed of hard-drawn copper wire and PVC insulation. It is superior to conventional cotton insulated wire and highly weather proof and safe use over a long period is assured.

COMPONENT

1. Conductor : Hard-Drawn Copper Wire
2. Insulation : PVC
3. Colour of insulation : Black

Solid Conductor

KS C 3313

Conductor		Nominal Insulation Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Tensile Load	Approx Weight	Standard Length
Diameter	Sectional Area							
mm	mm²	mm	mm	Ω/km	V/5min	kgf	kg/km	m
2.0	3.142	0.4	2.8	5.83	3,000	134.0	32	200
2.6	5.309	0.5	3.6	3.45	3,000	223.2	54	200
3.2	8.042	0.6	4.4	2.28	3,000	333.0	81	200
4.0	12.57	1.0	6.0	1.46	3,000	499.1	135	200
5.0	19.64	1.2	7.4	0.932	3,000	759.8	210	200

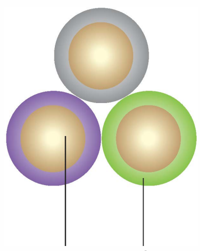
Stranded Conductor

KS C 3313

Conductor			Nominal Insulation Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Tensile Load	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	Ω/km	V/5min	kgf	kg/km	m
14	7/1.6	4.8	1.0	6.8	1.35	3,000	574	160	300
22	7/2.0	6.0	1.2	8.4	0.849	3,000	889	250	300
30	7/2.3	6.9	1.2	9.3	0.642	3,000	1,160	320	300
38	7/2.6	7.8	1.4	11.0	0.502	3,000	1,480	410	300
50	19/1.8	9.0	1.4	12.0	0.394	3,000	1,960	520	300
60	19/2.0	10.0	1.4	13.0	0.313	3,000	2,410	630	300
80	19/2.3	11.5	1.5	14.5	0.237	3,000	3,160	820	300
100	19/2.6	13.0	1.5	16.0	0.185	3,000	4,010	1,030	300

DV

600V Insulated Drop Wire



1. Conductor
2. Insulation

(DV-3R)

APPLICATION

It is chiefly used for drop-in from overhead distribution line, under A.C. 600V grade, and very convenient for wiring, colour being easily iden tified.It is weather proof and can be used for a long period without damage due to fire, electrical shock and other accidents.

COMPONENT

1. Conductor : Hard-Drawn Copper Wire
2. Insulation : PVC
3. Colour of insulation : 2Cores : Black, Green or Black, Blue
   3Cores : Black, Green,Blue

Duplex(DV-2R) KS C 3315

Conductor			Nominal Insulation Thickness	Approx. Overall Diameter	Test Voltage	Min. Insulation Resistance at 70 ℃ MΩ -km		Tensile Load	Max. Conductor Resistance at 20 ℃	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter									
mm²	No./mm	mm	mm	mm	V/5min	20 ℃	60 ℃	kgf	Ω/km	kg/km	m
-	1/2.0	2.0	0.8	7.2	1,500	50	0.15	127	5.89	75	300
-	1/2.6	2.6	1.0	9.2	1,500	50	0.15	211	3.48	125	200
-	1/3.2	3.2	1.2	11.5	1,500	50	0.15	316	2.30	190	200

Tripplex(DV-3R) KS C 3315

Conductor			Nominal Insulation Thickness	Approx. Overall Diameter	Test Voltage	Min. Insulation Resistance at 70 ℃ MΩ -km		Tensile Load	Max. Conductor Resistance at 20 ℃	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter									
mm²	No./mm	mm	mm	mm	V/5min	20 ℃	60 ℃	kgf	Ω/km	kg/km	m
-	1/2.0	2.0	0.8	7.8	1,500	50	0.15	127	5.89	115	300
-	1/2.6	2.6	1.0	9.9	1,500	50	0.15	211	3.48	190	200
-	1/3.2	3.2	1.2	12.5	1,500	50	0.15	316	2.30	285	200

ACSR-OC

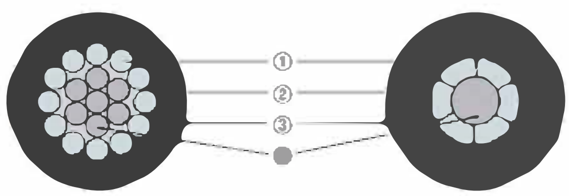
Aluminum Stranded Conductors Steel Reinforced

APPLICATION

Used for high voltage (6.6kV) or extra-high voltage (22.9kV) aerial distribution lines.

COMPONENT

1. Compression-forming in the shape of smooth body (SB)
2. Semi-conductive compound is extrusion-molded in a concentric form
3. Extrusion-molding with black-colored cross-linked Polyethylene (XLPE)



① Conductor

② Galvanized Steel Wire

③ Inner Semi-conductor Layer

④ Insulation

6.6kV ACSR-OC

Nominal Sectional Area	Conductor			Nominal Insulation Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Conductor Tensile Load	Approx Weight	Min. Insulation Resist-ance	Standard Length
	Number & Diameter		Outer Diameter								
mm²	No.AL/mm	St/mm	mm	mm	mm	Ω/㎞	Kv/1min	kgf	kg/km	㏁/㎞	m
32	6/SB	1/2.6	7.2	2.0	11.2	0.928	12	1,090	185	1,500	300
58	6/SB	1/3.5	9.7	2.5	14.7	0.512	12	1,900	325	1,500	300
95	6/SB	1/3.5	12.0	2.5	17.0	0.313	12	2,360	455	1,000	300

* SB : Smooth Body

22.9kV ACSR-OC

Nominal Sectional Area	Conductor			Nominal Insulation Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Conductor Tensile Load	Approx Weight	Min. Insulation Resist-ance	Standard Length
	Number & Diameter		Outer Diameter								
mm²	No.AL/mm	St/mm	mm	mm	mm	Ω/㎞	Kv/1min	kgf	kg/km	㏁/㎞	m
32	6/SB	1/2.6	7.2	3.0	13.2	0.877	25	1,090	215	2,000	900
58	6/SB	1/3.5	9.7	3.0	15.7	0.484	25	1,900	340	1,500	600
95	6/SB	1/3.5	12.0	3.5	19.0	0.302	25	2,360	540	1,500	300
160	18/SB	1/3.2	15.4	4.0	23.4	0.183	25	3,080	740	1,500	600

* SB : Smooth Body

ACSR/AW-OC

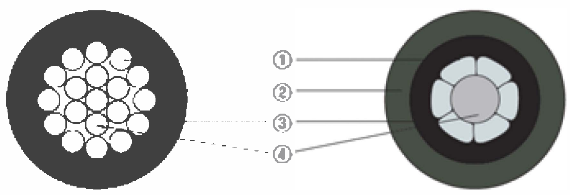
Aluminum Stranded Conductors Steel Reinforced

APPLICATION

Used for high voltage (6.6kV) or extra-high voltage (22.9kV) aerial distribution lines.

COMPONENT

1. Compression-forming in the shape of smooth body (SB)
2. Semi-conductive compound is extrusion-molded in a concentric form
3. Extrusion-molding with black-colored cross-linked Polyethylene (XLPE)



① Conductor
② AL−Clad Steel Wire
③ Inner Semi−conductor Layer
④ Insulation

6.6kV ACSR/AW−OC

Nominal Sectional Area	Conductor Number & Diameter		Conductor Outer Diameter	Nominal Insulation Thickness	완 Approx. Overall Diameter	대 Max. Conductor Resistance at 20 ℃	전 Test Voltage	Conducror Tensile Load	Approx Weight	Min. Insulation Resist−ance	Standard Length
mm²	No.AL/mm	St/mm	mm	mm	mm	Ω/km	kV/1min	kgf	kg/km	MΩ/km	m
32	6/SB	1/2.6	7.2	2.0	11.2	0.877	12	1,090	180	1,500	900
58	6/SB	1/3.5	9.7	2.5	14.7	0.484	12	1,900	315	1,500	300
95	6/SB	1/3.5	12.0	2.5	17.0	0.302	12	2,360	455	1,000	300

* SB : Smooth Body

22.9kV ACSR/AW−OC

Nominal Sectional Area	Conductor Number & Diameter		Conductor Outer Diameter	Nominal Insulation Thickness	완 Approx. Overall Diameter	대 Max. Conductor Resistance at 20 ℃	전 Test Voltage	Conducror Tensile Load	Approx Weight	Min. Insulation Resist−ance	Standard Length
mm²	No.AL/mm	St/mm	mm	mm	mm	Ω/km	kV/1min	kgf	kg/km	MΩ/km	m
32	6/SB	1/2.6	7.2	3.0	13.2	0.877	25	1,090	210	2,000	900
58	6/SB	1/3.5	9.7	3.0	15.7	0.484	25	1,900	380	1,500	600
95	6/SB	1/3.5	12.0	3.5	19.0	0.302	25	2,360	530	1,500	600
160	18/SB	1/3.2	15.4	4.0	23.4	0.183	25	3,080	730	1,500	600
240	18/SB	1/4.0	18.9	4.0	27.0	0.123	25	4,500	1,040	1,000	600

* SB : Smooth Body

22.9kV ACSR/AW−TR/OC

Nominal Sectional Area	Conductor Number & Diameter		Conductor Outer Diameter	Nominal Insulation Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Conducror Tensile Load	Approx Weight	Min. Insulation Resist−ance	Standard Length
mm²	No.AL/mm	St/mm	mm	mm	mm	Ω/km	kV/1min	kgf	kg/km	MΩ/km	m
58	6/SB	1/3.5	9.7	3.0	15.7	0.484	25	1,900	360	1,500	600
95	6/SB	1/3.5	12.0	3.5	19.0	0.302	2	2,360	520	1,500	600
160	18/SB	1/3.2	15.4	4.0	23.4	0.183	25	3,080	750	1,500	600
240	18/SB	1/4.0	18.9	4.0	27.0	0.123	25	4,500	1,040	1,000	600

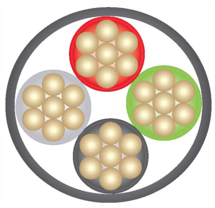
* SB : Smooth Body

Power Cable & Control Cable

0.6/1kV PVC Insulated and PVC Sheathed Cable(VV)
0.6/1kV PVC Insulated and PVC Sheathed Control Cable(CVV)
0.6/1kV PVC Insulated and PVC Sheathed Control Cable with Shield(CVV-S, CVV-SB)
0.6/1kV XLPE Insulated and PVC Sheathed POWER Cable(CV)
22.9kV-Y CNCV-W, FR CNCO-W, TR CNCV-W, TR CNCE-W

V V

0.6/1kV Grade PVC Insulated and PVC Sheathed Cable



APPLICATION

This cable has superior weather proof and anti-friction property, permitting of use for a long period of time and widely used for a low tension distribution wire under 0.6/1kV grade.

COMPONENT

1. Conductor : Annealed Copper Wire
   (Concentric Circular, Compact Circular)
2. Insulation : PVC/A
3. Colour of insulation : Colouring Method
   - 2Cores : Black, White
   - 3Cores : Black, White, Red
   - 4Cores : Black, White, Red, Green
4. Sheath : PVC/ST1

Single Core

KS C IEC 60502-1

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.8	1.4	6.5	12.1	3,500	65	300
2.5	7/0.67	2.01	0.8	1.4	7.0	7.41	3,500	75	300
4	7/0.85	2.55	0.8	1.4	8.0	4.61	3,500	105	300
6	7/1.04	3.12	1.0	1.4	8.5	3.08	3,500	130	300
10	7/1.35	4.05	1.0	1.4	9.5	1.83	3,500	180	300
16	CC	4.7	1.0	1.4	10.0	1.15	3,500	235	300
25	CC	5.9	1.2	1.4	12.0	0.727	3,500	345	300
35	CC	6.9	1.2	1.4	13.0	0.524	3,500	435	300
50	CC	8.1	1.4	1.4	14.5	0.387	3,500	605	300
70	CC	9.8	1.4	1.4	16.0	0.268	3,500	790	300
95	CC	11.4	1.6	1.5	18.5	0.193	3,500	1,065	300
120	CC	12.9	1.6	1.5	20.0	0.153	3,500	1,310	300
150	CC	14.4	1.8	1.6	22.0	0.124	3,500	1,620	300
185	CC	15.9	2.0	1.7	25.0	0.0991	3,500	2,015	200
240	CC	18.3	2.2	1.8	28.0	0.0754	3,500	2,560	200
300	CC	20.5	2.4	1.9	30.0	0.0601	3,500	3,200	200
400	CC	23.2	2.6	2.0	34.0	0.0470	3,500	4,150	200
500	CC	26.4	2.8	2.0	38.0	0.0366	3,500	5,005	200
630	CC	30.2	2.8	2.2	42.0	0.0283	3,500	6,650	150

V V

0.6/1kV Grade PVC Insulated and PVC Sheathed Cable

Two Core

KS C IEC 60502-1

Conductor Nominal Sectional Area	Conductor Number & Diameter	Conductor Outer Diameter	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.8	1.8	11.5	12.1	3,500	140	300
2.5	7/0.67	2.01	0.8	1.8	12.0	7.41	3,500	170	300
4	7/0.85	2.55	1.0	1.8	14.0	4.61	3,500	235	300
6	7/1.04	3.12	1.0	1.8	15.5	3.08	3,500	290	300
10	7/1.35	4.05	1.0	1.8	17.0	1.83	3,500	400	300
16	CC	4.7	1.0	1.8	18.5	1.15	3,500	530	300
25	CC	5.9	1.2	1.8	22	0.727	3,500	775	300
35	CC	6.9	1.2	1.8	24	0.524	3,500	1,000	300
50	CC	8.1	1.4	1.8	27	0.387	3,500	1,360	300
70	CC	9.8	1.4	1.9	31	0.268	3,500	1,775	300
95	CC	11.4	1.6	2.0	35	0.193	3,500	2,390	300
120	CC	12.9	1.6	2.1	38	0.153	3,500	2,940	300
150	CC	14.4	1.8	2.2	43	0.124	3,500	3,630	300
185	CC	15.9	2.0	2.3	47	0.0991	3,500	4,500	200
240	CC	18.3	2.2	2.5	53	0.0754	3,500	5,705	200
300	CC	20.5	2.4	2.7	58	0.0601	3,500	7,140	200

Three Core

KS C IEC 60502-1

Conductor Nominal Sectional Area	Conductor Number & Diameter	Conductor Outer Diameter	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.8	1.8	12.0	12.1	3,500	165	300
2.5	7/0.67	2.01	0.8	1.8	13.0	7.41	3,500	210	300
4	7/0.85	2.55	1.0	1.8	15.0	4.61	3,500	295	300
6	7/1.04	3.12	1.0	1.8	16.0	3.08	3,500	370	300
10	7/1.35	4.05	1.0	1.8	18.0	1.83	3,500	525	300
16	CC	4.7	1.0	1.8	19.0	1.15	3,500	705	300
25	CC	5.9	1.2	1.8	23	0.727	3,500	1,045	300
35	CC	6.9	1.2	1.8	26	0.524	3,500	1,360	300
50	CC	8.1	1.4	1.8	29	0.387	3,500	1,850	300
70	CC	9.8	1.4	1.9	33	0.268	3,500	2,455	300
95	CC	11.4	1.6	2.1	38	0.193	3,500	3,325	300
120	CC	12.9	1.6	2.2	41	0.153	3,500	4,115	300
150	CC	14.4	1.8	2.3	46	0.124	3,500	5,085	300
185	CC	15.9	2.0	2.5	50	0.0991	3,500	6,345	200
240	CC	18.3	2.2	2.7	57	0.0754	3,500	8,065	200
300	CC	20.5	2.4	2.8	63	0.0601	3,500	10,065	200

VV

0.6/1kV Grade PVC Insulated and PVC Sheathed Cable

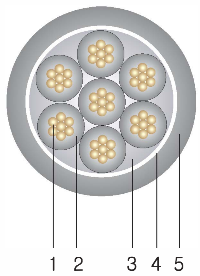
Four Core

KS C IEC 60502-1

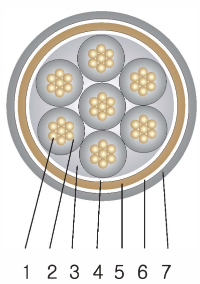
Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/㎞	V/5min	kg/km	m
1.5	7/0.53	1.59	0.8	1.8	13.0	12.1	3,500	200	300
2.5	7/0.67	2.01	0.8	1.8	14.0	7.41	3,500	250	300
4	7/0.85	2.55	1.0	1.8	16.0	4.61	3,500	360	300
6	7/1.04	3.12	1.0	1.8	17.5	3.08	3,500	460	300
10	7/1.35	4.05	1.0	1.8	22	1.83	3,500	655	300
16	CC	4.7	1.0	1.8	206	1.15	3,500	895	300
25	CC	5.9	1.2	1.8	28	0.727	3,500	1,335	300
35	CC	6.9	1.2	1.8	26	0.524	3,500	1,775	300
50	CC	8.1	1.4	1.9	32	0.387	3,500	2,425	300
70	CC	9.8	1.4	2.0	36	0.268	3,500	3,200	300
95	CC	11.4	1.6	2.2	42	0.193	3,500	4,355	300
120	CC	12.9	1.6	2.3	46	0.153	3,500	5,380	300
150	CC	14.4	1.8	2.5	51	0.124	3,500	6,665	300
185	CC	15.9	2.0	2.6	56	0.0991	3,500	8,275	200
240	CC	18.3	2.2	2.9	63	0.0754	3,500	10,595	200
300	CC	20.5	2.4	3.1	70	0.0601	3,500	13,260	200

CVV

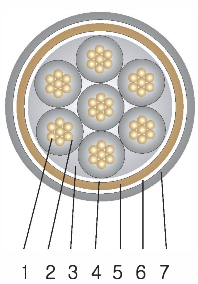
0.6/1kV PVC Insulated and PVC Sheathed Control Cable



CVV,CCV,CCE



CVV-S,CCV-S,CCE-S



CVV-SB,CCV-SB,CCE-SB

1. Conductor
2. Insulation
3. Filler
4. Binder tape
5. Shield
6. Binder tape
7. Sheath

APPLICATION

This cable is designed for use in remote and substation. It is lighter and has more flexible control system under 0.6/1kV or 300V in power plant than conventional rubber insulated lead sheathed control cable, also excellent in fireproof and antifriction quality.

COMPONENT

1. Conductor : Annealed Copper Wire
   (Concentric Circular, Compact Circular)
2. Insulation : PVC/A, XLPE
3. Colour of insulation : Colouring Method or Color Tape
   - 2Cores : Black, White
   - 3Cores : Black, White, Red
   - 4Cores : Black, White, Red, Green
   - 5Cores : Black, White, Red, Green, Yellow
4. Sheath : PVC, PE
5. Above Core : Numbering

Classes	Symbol
0.6/1kV PVC Insulated PVC Sheathed Control Cable - Copper Tape Shield - Shield Braid	0.6/1kV CVV 0.6/1kV CVV-S 0.6/1kV CVV-SB
0.6/1kV XLPE Insulated PVC Sheathed Control Cable - Copper Tape Shield - Shield Braid	0.6/1kV CCV 0.6/1kV CCV-S 0.6/1kV CCV-SB
0.6/1kV XLPE Insulated PE Sheathed Control Cable - Copper Tape Shield - Shield Braid	0.6/1kV CCE 0.6/1kV CCE-S 0.6/1kV CCE-SB
300/500V PVC Insulated PVC Sheathed Control Cable - Shield Braid	300/500V CVV-SB

CVV

0.6/1kV PVC Insulated and PVC Sheathed Control Cable

CVV

KS C IEC 60502-1

Number of Cores	Conductor: Nominal Sectional Area	Conductor: Number & Diameter	Conductor: Outer Diameter	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
	mm²	No./mm	mm	mm	mm	mm	Ω/㎞	V/5min	kg/km	m
2	1.5	7/0.53	1.59	0.8	1.8	11	12.1	3,500	140	300
	2.5	7/0.67	2.01	0.8	1.8	12	7.41	3,500	170	300
	4	7/0.85	2.55	1.0	1.8	14	4.61	3,500	235	300
	6	7/1.04	3.12	1.0	1.8	15	3.08	3,500	290	300
	10	7/1.35	4.05	1.0	1.8	17	1.83	3,500	400	300
3	1.5	7/0.53	1.59	0.8	1.8	11.5	12.1	3,500	165	300
	2.5	7/0.67	2.01	0.8	1.8	12.5	7.41	3,500	210	300
	4	7/0.85	2.55	1.0	1.8	14.5	4.61	3,500	295	300
	6	7/1.04	3.12	1.0	1.8	16	3.08	3,500	370	300
	10	7/1.35	4.05	1.0	1.8	18	1.83	3,500	525	300
4	1.5	7/0.53	1.59	0.8	1.8	12.5	12.1	3,500	200	300
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	3,500	250	300
	4	7/0.85	2.55	1.0	1.8	16	4.61	3,500	360	300
	6	7/1.04	3.12	1.0	1.8	17.5	3.08	3,500	455	300
	10	7/1.35	4.05	1.0	1.8	19.5	1.83	3,500	655	300
5	1.5	7/0.53	1.59	0.8	1.8	13.5	12.1	3,500	235	300
	2.5	7/0.67	2.01	0.8	1.8	14.5	7.41	3,500	300	300
	4	7/0.85	2.55	1.0	1.8	17	4.61	3,500	425	300
	6	7/1.04	3.12	1.0	1.8	19	3.08	3,500	555	300
	10	7/1.35	4.05	1.0	1.8	21.5	1.83	3,500	800	300
6	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	3,500	270	300
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	3,500	345	300
	4	7/0.85	2.55	1.0	1.8	18.5	4.61	3,500	500	300
	6	7/1.04	3.12	1.0	1.8	20.5	3.08	3,500	655	300
	10	7/1.35	4.05	1.0	1.8	23	1.83	3,500	940	300
7	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	3,500	290	300
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	3,500	370	300
	4	7/0.85	2.55	1.0	1.8	18.5	4.61	3,500	540	300
	6	7/1.04	3.12	1.0	1.8	20.5	3.08	3,500	715	300
	10	7/1.35	4.05	1.0	1.8	23	1.83	3,500	1,035	300
8	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	3,500	315	300
	2.5	7/0.67	2.01	0.8	1.8	17	7.41	3,500	425	300
	4	7/0.85	2.55	1.0	1.8	20	4.61	3,500	620	300
	6	7/1.04	3.12	1.0	1.8	22	3.08	3,500	805	300
	10	7/1.35	4.05	1.0	1.8	25	1.83	3,500	1,190	300
10	1.5	7/0.53	1.59	0.8	1.8	17.5	12.1	3,500	405	300
	2.5	7/0.67	2.01	0.8	1.8	19.5	7.41	3,500	525	300
	4	7/0.85	2.55	1.0	1.8	23.5	4.61	3,500	785	300
	6	7/1.04	3.12	1.0	1.8	25.5	3.08	3,500	1,025	300
	10	7/1.35	4.05	1.0	1.8	29.5	1.83	3,500	1,510	300
12	1.5	7/0.53	1.59	0.8	1.8	18	12.1	3,500	455	300
	2.5	7/0.67	2.01	0.8	1.8	20	7.41	3,500	600	300
	4	7/0.85	2.55	1.0	1.8	24	4.61	3,500	885	300
	6	7/1.04	3.12	1.0	1.8	26.5	3.08	3,500	1,185	300
	10	7/1.35	4.05	1.0	1.8	30.5	1.83	3,500	1,740	300
15	1.5	7/0.53	1.59	0.8	1.8	19.5	12.1	3,500	530	300
	2.5	7/0.67	2.01	0.8	1.8	21.5	7.41	3,500	700	300
	4	7/0.85	2.55	1.0	1.8	26	4.61	3,500	1,070	300
	6	7/1.04	3.12	1.0	1.8	28.5	3.08	3,500	1,420	300
20	1.5	7/0.53	1.59	0.8	1.8	21.5	12.1	3,500	670	300
	2.5	7/0.67	2.01	0.8	1.8	24	7.41	3,500	895	300
	4	7/0.85	2.55	1.0	1.8	29	4.61	3,500	1,375	300
	6	7/1.04	3.12	1.0	1.8	32	3.08	3,500	1,835	300
25	1.5	7/0.53	1.59	0.8	1.8	24	12.1	3,500	805	300
	2.5	7/0.67	2.01	0.8	1.8	27	7.41	3,500	1,110	300
	4	7/0.85	2.55	1.0	1.9	33	4.61	3,500	1,700	300
30	1.5	7/0.53	1.59	0.8	1.8	25.5	12.1	3,500	935	300
	2.5	7/0.67	2.01	0.8	1.8	28.5	7.41	3,500	1,295	300
	4	7/0.85	2.55	1.0	1.9	35	4.61	3,500	1,980	300
40	1.5	7/0.53	1.59	0.8	1.8	28.5	12.1	3,500	1,185	300
	2.5	7/0.67	2.01	0.8	1.9	32	7.41	3,500	1,635	300
50	1.5	7/0.53	1.59	0.8	1.9	31.5	12.1	3,500	1,470	300
	2.5	7/0.67	2.01	0.8	2.0	35.5	7.41	3,500	2,035	300

CVV

0.6/1kV PVC Insulated and PVC Sheathed Control Cable with Copper Tape Shield

CVV-S, CVV-SB　　　　　KS C IEC 60502-1

Number of Cores	Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
	Nominal Sectional Area	Number & Diameter	Outer Diameter							
	mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
2	1.5	7/0.53	1.59	0.8	1.8	11.5	12.1	3,500	170	300
	2.5	7/0.67	2.01	0.8	1.8	12.5	7.41	3,500	205	300
	4	7/0.85	2.55	1.0	1.8	14.5	4.61	3,500	275	300
	6	7/1.04	3.12	1.0	1.8	15.5	3.08	3,500	345	300
	10	7/1.35	4.05	1.0	1.8	17.5	1.83	3,500	460	300
3	1.5	7/0.53	1.59	0.8	1.8	12	12.1	3,500	200	300
	2.5	7/0.67	2.01	0.8	1.8	13	7.41	3,500	245	300
	4	7/0.85	2.55	1.0	1.8	15.5	4.61	3,500	345	300
	6	7/1.04	3.12	1.0	1.8	16.5	3.08	3,500	425	300
	10	7/1.35	4.05	1.0	1.8	18.5	1.83	3,500	590	300
4	1.5	7/0.53	1.59	0.8	1.8	13	12.1	3,500	235	300
	2.5	7/0.67	2.01	0.8	1.8	14	7.41	3,500	290	300
	4	7/0.85	2.55	1.0	1.8	16.5	4.61	3,500	415	300
	6	7/1.04	3.12	1.0	1.8	18	3.08	3,500	520	300
	10	7/1.35	4.05	1.0	1.8	20	1.83	3,500	725	300
5	1.5	7/0.53	1.59	0.8	1.8	14	12.1	3,500	275	300
	2.5	7/0.67	2.01	0.8	1.8	15.51	7.41	3,500	345	300
	4	7/0.85	2.55	1.0	1.8	8	4.61	3,500	485	300
	6	7/1.04	3.12	1.0	1.8	19.5	3.08	3,500	620	300
	10	7/1.35	4.05	1.0	1.8	22	1.83	3,500	880	300
6	1.5	7/0.53	1.59	0.8	1.8	15	12.1	3,500	315	300
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	3,500	400	300
	4	7/0.85	2.55	1.0	1.8	19	4.61	3,500	565	300
	6	7/1.04	3.12	1.0	1.8	21	3.08	3,500	730	300
	10	7/1.35	4.05	1.0	1.8	24	1.83	3,500	1,035	300
7	1.5	7/0.53	1.59	0.8	1.8	15	12.1	3,500	330	300
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	3,500	425	300
	4	7/0.85	2.55	1.0	1.8	19	4.61	3,500	610	300
	6	7/1.04	3.12	1.0	1.8	21	3.08	3,500	790	300
	10	7/1.35	4.05	1.0	1.8	24	1.83	3,500	1,135	300
8	1.5	7/0.53	1.59	0.8	1.8	16	12.1	3,500	370	300
	2.5	7/0.67	2.01	0.8	1.8	17.5	7.41	3,500	485	300
	4	7/0.85	2.55	1.0	1.8	20.5	4.61	3,500	690	300
	6	7/1.04	3.12	1.0	1.8	22.5	3.08	3,500	900	300
	10	7/1.35	4.05	1.0	1.8	25.5	1.83	3,500	1,295	300
10	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	3,500	470	300
	2.5	7/0.67	2.01	0.8	1.8	20	7.41	3,500	600	300
	4	7/0.85	2.55	1.0	1.8	24	4.61	3,500	885	300
	6	7/1.04	3.12	1.0	1.8	26.5	3.08	3,500	1,135	300
	10	7/1.35	4.05	1.0	1.8	30	1.83	3,500	1,660	300
12	1.5	7/0.53	1.59	0.8	1.8	19	12.1	3,500	520	300
	2.5	7/0.67	2.01	0.8	1.8	20.5	7.41	3,500	670	300
	4	7/0.85	2.55	1.0	1.8	25	4.61	3,500	985	300
	6	7/1.04	3.12	1.0	1.8	27	3.08	3,500	1,310	300
	10	7/1.35	4.05	1.0	1.8	31.5	1.83	3,500	1,950	300
15	1.5	7/0.53	1.59	0.8	1.8	20.5	12.1	3,500	600	300
	2.5	7/0.67	2.01	0.8	1.8	22	7.41	3,500	780	300
	4	7/0.85	2.55	1.0	1.8	26.5	4.61	3,500	1,195	300
	6	7/1.04	3.12	1.0	1.8	29.5	3.08	3,500	1,560	300
20	1.5	7/0.53	1.59	0.8	1.8	22.5	12.1	3,500	760	300
	2.5	7/0.67	2.01	0.8	1.8	24.5	7.41	3,500	995	300
	4	7/0.85	2.55	1.0	1.8	29.5	4.61	3,500	1,515	300
	6	7/1.04	3.12	1.0	1.8	33	3.08	3,500	2,035	300
25	1.5	7/0.53	1.59	0.8	1.8	25	12.1	3,500	910	300
	2.5	7/0.67	2.01	0.8	1.8	27.5	7.41	3,500	1,240	300
	4	7/0.85	2.55	1.0	1.9	34	4.61	3,500	1,900	300
30	1.5	7/0.53	1.59	0.8	1.8	26.5	12.1	3,500	1,060	300
	2.5	7/0.67	2.01	0.8	1.8	29	7.41	3,500	1,430	300
	4	7/0.85	2.55	1.0	1.9	36	4.61	3,500	2,200	300
40	1.5	7/0.53	1.59	0.8	1.8	29.5	12.1	3,500	1,320	300
	2.5	7/0.67	2.01	0.8	1.9	33	7.41	3,500	1,835	300
50	1.5	7/0.53	1.59	0.8	1.9	32.5	12.1	3,500	1,670	300
	2.5	7/0.67	2.01	0.8	2.0	36.5	7.41	3,500	2,275	300

CCV, CCE

0.6/1kV XPE Insulated and PVC Sheathed Control Cable with Copper Tape Shield

CCV, CCE

KS C IEC 60502-1

Number of Cores	Conductor: Nominal Sectional Area	Conductor: Number & Diameter	Conductor: Outer Diameter	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight kg/km: PVC Sheathed	Approx Weight kg/km: PE Sheathed	Standard Length
	mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min			m
2	1.5	7/0.53	1.59	0.7	1.8	10.5	12.1	3,500	130	105	300
	2.5	7/0.67	2.01	0.7	1.8	11.5	7.41	3,500	160	135	300
	4	7/0.85	2.55	0.7	1.8	12.5	4.61	3,500	220	185	300
	6	7/1.04	3.12	0.7	1.8	13.5	3.08	3,500	275	235	300
	10	7/1.35	4.05	0.7	1.8	15.5	1.83	3,500	385	340	300
3	1.5	7/0.53	1.59	0.7	1.8	11	12.1	3,500	155	130	300
	2.5	7/0.67	2.01	0.7	1.8	12	7.41	3,500	195	165	300
	4	7/0.85	2.55	0.7	1.8	13	4.61	3,500	275	240	300
	6	7/1.04	3.12	0.7	1.8	14.5	3.08	3,500	345	305	300
	10	7/1.35	4.05	0.7	1.8	16.5	1.83	3,500	495	450	300
4	1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3,500	185	155	300
	2.5	7/0.67	2.01	0.7	1.8	13	7.41	3,500	235	200	300
	4	7/0.85	2.55	0.7	1.8	14.5	4.61	3,500	335	295	300
	6	7/1.04	3.12	0.7	1.8	15.5	3.08	3,500	430	385	300
	10	7/1.35	4.05	0.7	1.8	18	1.83	3,500	615	565	300
5	1.5	7/0.53	1.59	0.7	1.8	13	12.1	3,500	220	185	300
	2.5	7/0.67	2.01	0.7	1.8	14	7.41	3,500	275	240	300
	4	7/0.85	2.55	0.7	1.8	15.5	4.61	3,500	390	345	300
	6	7/1.04	3.12	0.7	1.8	17	3.08	3,500	515	465	300
	10	7/1.35	4.05	0.7	1.8	19.5	1.83	3,500	755	695	300
6	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3,500	250	215	300
	2.5	7/0.67	2.01	0.7	1.8	15	7.41	3,500	320	280	300
	4	7/0.85	2.55	0.7	1.8	16.5	4.61	3,500	460	410	300
	6	7/1.04	3.12	0.7	1.8	18.5	3.08	3,500	610	555	300
	10	7/1.35	4.05	0.7	1.8	21	1.83	3,500	885	820	300
7	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3,500	265	230	300
	2.5	7/0.67	2.01	0.7	1.8	15	7.41	3,500	345	305	300
	4	7/0.85	2.55	0.7	1.8	16.5	4.61	3,500	495	450	300
	6	7/1.04	3.12	0.7	1.8	18.5	3.08	3,500	660	605	300
	10	7/1.35	4.05	0.7	1.8	21	1.83	3,500	970	910	300
8	1.5	7/0.53	1.59	0.7	1.8	14.5	12.1	3,500	290	250	300
	2.5	7/0.67	2.01	0.7	1.8	16	7.41	3,500	395	350	300
	4	7/0.85	2.55	0.7	1.8	18	4.61	3,500	570	515	300
	6	7/1.04	3.12	0.7	1.8	20	3.08	3,500	750	690	300
	10	7/1.35	4.05	0.7	1.8	23	1.83	3,500	1,115	1,045	300
10	1.5	7/0.53	1.59	0.7	1.8	16.5	12.1	3,500	375	325	300
	2.5	7/0.67	2.01	0.7	1.8	18.5	7.41	3,500	485	435	300
	4	7/0.85	2.55	0.7	1.8	21	4.61	3,500	725	660	300
	6	7/1.04	3.12	0.7	1.8	23	3.08	3,500	950	885	300
	10	7/1.35	4.05	0.7	1.8	27	1.83	3,500	1,415	1,335	300
12	1.5	7/0.53	1.59	0.7	1.8	17	12.1	3,500	420	370	300
	2.5	7/0.67	2.01	0.7	1.8	19	7.41	3,500	550	500	300
	4	7/0.85	2.55	0.7	1.8	21	4.61	3,500	810	745	300
	6	7/1.04	3.12	0.7	1.8	24	3.08	3,500	1,095	1,025	300
	10	7/1.35	4.05	0.7	1.8	28	1.83	3,500	1,630	1,545	300
15	1.5	7/0.53	1.59	0.7	1.8	18.5	12.1	3,500	480	430	300
	2.5	7/0.67	2.01	0.7	1.8	21	7.41	3,500	640	585	300
	4	7/0.85	2.55	0.7	1.8	23	4.61	3,500	980	910	300
	6	7/1.04	3.12	0.7	1.8	26	3.08	3,500	1,310	1,235	300
20	1.5	7/0.53	1.59	0.7	1.8	21	12.1	3,500	605	550	300
	2.5	7/0.67	2.01	0.7	1.8	23	7.41	3,500	820	755	300
	4	7/0.85	2.55	0.7	1.8	26	4.61	3,500	1,250	1,170	300
	6	7/1.04	3.12	0.7	1.8	29	3.08	3,500	1,690	1,600	300
25	1.5	7/0.53	1.59	0.7	1.8	23	12.1	3,500	725	660	300
	2.5	7/0.67	2.01	0.7	1.8	26	7.41	3,500	1,010	940	300
	4	7/0.85	2.55	0.7	1.8	31	4.61	3,500	1,540	1,445	300
30	1.5	7/0.53	1.59	0.7	1.8	24	12.1	3,500	840	770	300
	2.5	7/0.67	2.01	0.7	1.8	27	7.41	3,500	1,180	1,100	300
	4	7/0.85	2.55	0.7	1.9	31	4.61	3,500	1,795	1,695	300
40	1.5	7/0.53	1.59	0.7	1.8	27	12.1	3,500	1,055	975	300
	2.5	7/0.67	2.01	0.7	1.8	30	7.41	3,500	1,180	1,390	300
50	1.5	7/0.53	1.59	0.7	1.8	30	12.1	3,500	1,305	1,215	300
	2.5	7/0.67	2.01	0.7	1.9	32	7.41	3,500	1,840	1,730	300

CCV, CCE

0.6/1kV XPE Insulated and PVC Sheathed Control Cable with Copper Tape Shield

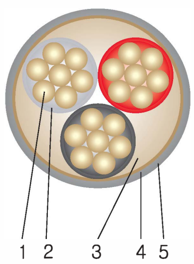
CCV-S, CCV-SB, CCE-S, CCE-SB

KS C IEC 60502-1

Number of Cores	Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
	Nominal Sectional Area	Number & Diameter	Outer Diameter							
	mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
2	1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3,500	165	300
	2.5	7/0.67	2.01	0.7	1.8	12.5	7.41	3,500	195	300
	4	7/0.85	2.55	0.7	1.8	14.5	4.61	3,500	260	300
	6	7/1.04	3.12	0.7	1.8	15.5	3.08	3,500	325	300
	10	7/1.35	4.05	0.7	1.8	17.5	1.83	3,500	445	300
3	1.5	7/0.53	1.59	0.7	1.8	12	12.1	3,500	185	300
	2.5	7/0.67	2.01	0.7	1.8	13	7.41	3,500	235	300
	4	7/0.85	2.55	0.7	1.8	15.5	4.61	3,500	325	300
	6	7/1.04	3.12	0.7	1.8	16.5	3.08	3,500	400	300
	10	7/1.35	4.05	0.7	1.8	18.5	1.83	3,500	560	300
4	1.5	7/0.53	1.59	0.7	1.8	13	12.1	3,500	220	300
	2.5	7/0.67	2.01	0.7	1.8	14	7.41	3,500	275	300
	4	7/0.85	2.55	0.7	1.8	16.5	4.61	3,500	385	300
	6	7/1.04	3.12	0.7	1.8	18	3.08	3,500	490	300
	10	7/1.35	4.05	0.7	1.8	20	1.83	3,500	690	300
5	1.5	7/0.53	1.59	0.7	1.8	14	12.1	3,500	255	300
	2.5	7/0.67	2.01	0.7	1.8	15.5	7.41	3,500	325	300
	4	7/0.85	2.55	0.7	1.8	18	4.61	3,500	450	300
	6	7/1.04	3.12	0.7	1.8	19.5	3.08	3,500	585	300
	10	7/1.35	4.05	0.7	1.8	22	1.83	3,500	830	300
6	1.5	7/0.53	1.59	0.7	1.8	15	12.1	3,500	295	300
	2.5	7/0.67	2.01	0.7	1.8	16.5	7.41	3,500	375	300
	4	7/0.85	2.55	0.7	1.8	19	4.61	3,500	525	300
	6	7/1.04	3.12	0.7	1.8	21	3.08	3,500	685	300
	10	7/1.35	4.05	0.7	1.8	24	1.83	3,500	980	300
7	1.5	7/0.53	1.59	0.7	1.8	15	12.1	3,500	310	300
	2.5	7/0.67	2.01	0.7	1.8	16.5	7.41	3,500	400	300
	4	7/0.85	2.55	0.7	1.8	19	4.61	3,500	455	300
	6	7/1.04	3.12	0.7	1.8	21	3.08	3,500	735	300
	10	7/1.35	4.05	0.7	1.8	24	1.83	3,500	1,070	300
8	1.5	7/0.53	1.59	0.7	1.8	16	12.1	3,500	345	300
	2.5	7/0.67	2.01	0.7	1.8	17.5	7.41	3,500	450	300
	4	7/0.85	2.55	0.7	1.8	20.5	4.61	3,500	645	300
	6	7/1.04	3.12	0.7	1.8	22.5	3.08	3,500	840	300
	10	7/1.35	4.05	0.7	1.8	25.5	1.83	3,500	1,220	300
10	1.5	7/0.53	1.59	0.7	1.8	18.5	12.1	3,500	435	300
	2.5	7/0.67	2.01	0.7	1.8	20	7.41	3,500	555	300
	4	7/0.85	2.55	0.7	1.8	24	4.61	3,500	820	300
	6	7/1.04	3.12	0.7	1.8	26.5	3.08	3,500	1,060	300
	10	7/1.35	4.05	0.7	1.8	30	1.83	3,500	1,565	300
12	1.5	7/0.53	1.59	0.7	1.8	19	12.1	3,500	480	300
	2.5	7/0.67	2.01	0.7	1.8	20.5	7.41	3,500	625	300
	4	7/0.85	2.55	0.7	1.8	25	4.61	3,500	910	300
	6	7/1.04	3.12	0.7	1.8	27	3.08	3,500	1,220	300
	10	7/1.35	4.05	0.7	1.8	31.5	1.83	3,500	1,840	300
15	1.5	7/0.53	1.59	0.7	1.8	20.5	12.1	3,500	550	300
	2.5	7/0.67	2.01	0.7	1.8	22	7.41	3,500	720	300
	4	7/0.85	2.55	0.7	1.8	26.5	4.61	3,500	1,100	300
	6	7/1.04	3.12	0.7	1.8	29.5	3.08	3,500	1,450	300
20	1.5	7/0.53	1.59	0.7	1.8	22.5	12.1	3,500	695	300
	2.5	7/0.67	2.01	0.7	1.8	24.5	7.41	3,500	915	300
	4	7/0.85	2.55	0.7	1.8	29.5	4.61	3,500	1,390	300
	6	7/1.04	3.12	0.7	1.8	33	3.08	3,500	1,890	300
25	1.5	7/0.53	1.59	0.7	1.8	25	12.1	3,500	825	300
	2.5	7/0.67	2.01	0.7	1.8	27.5	7.41	3,500	1,140	300
	4	7/0.85	2.55	0.7	1.9	34	4.61	3,500	1,745	300
30	1.5	7/0.53	1.59	0.7	1.8	26.5	12.1	3,500	960	300
	2.5	7/0.67	2.01	0.7	1.8	29	7.41	3,500	1,310	300
	4	7/0.85	2.55	0.7	1.9	36	4.61	3,500	2,015	300
40	1.5	7/0.53	1.59	0.7	1.8	29.5	12.1	3,500	1,190	300
	2.5	7/0.67	2.01	0.7	1.9	33	7.41	3,500	1,680	300
50	1.5	7/0.53	1.59	0.7	1.9	32.5	12.1	3,500	1,505	300
	2.5	7/0.67	2.01	0.7	2.0	36.5	7.41	3,500	2,080	300

CV

0.6/1 kV XLPE Insulated PVC Sheathed Power Cable



1. Conductor
2. Insulation
3. Filler
4. Binder tape
5. Sheath

APPLICATION

This cable is designed for the purpose of using in power distribution line, having excellent electrical, flame retardant.

COMPONENT

1. Conductor : Annealed Copper Wire(Concentric Circular, Compact Circular)
2. Insulation : XLPE
3. Colour of insulation : Colouring Method or Color Tape
   - 2Cores : Black, White
   - 3Cores : Black, White, Red
   - 4Cores : Black, White, Red, Green
4. Sheath : PVC

Single Core

KS C IEC 60502-1

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.4	6.3	12.1	3,500	55	300
2.5	7/0.67	2.01	0.7	1.4	6.7	7.41	3,500	70	300
4	7/0.85	2.55	0.7	1.4	7.2	4.61	3,500	90	300
6	7/1.04	3.12	0.7	1.4	7.8	3.08	3,500	110	300
10	7/1.35	4.05	0.7	1.4	9.4	1.83	3,500	155	300
16	CC	4.7	0.7	1.4	10	1.15	3,500	215	300
25	CC	5.9	0.9	1.4	12	0.727	3,500	315	300
35	CC	6.9	0.9	1.4	13	0.524	3,500	415	300
50	CC	8.1	1.0	1.4	14.5	0.387	3,500	560	300
70	CC	9.8	1.1	1.4	16	0.268	3,500	745	300
95	CC	11.4	1.1	1.5	18.5	0.193	3,500	995	300
120	CC	12.9	1.2	1.5	20	0.153	3,500	1,245	300
150	CC	14.4	1.4	1.6	22	0.124	3,500	1,535	300
185	CC	15.9	1.6	1.7	24	0.0991	3,500	1,910	200
240	CC	18.3	1.7	1.8	27	0.0754	3,500	2,425	200
300	CC	20.5	1.8	1.9	30	0.0601	3,500	3,030	200
400	CC	23.2	2.0	2.0	34	0.0470	3,500	3,950	150
500	CC	26.4	2.2	2.0	37	0.0366	3,500	4,790	150
630	CC	30.2	2.4	2.2	42	0.0283	3,500	6,520	150

* CC – Compact Circular

CV

0.6/1 kV XLPE Insulated PVC Sheathed Power Cable

Two Core

KS C IEC 60502-1

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	11	12.1	3,500	125	300
2.5	7/0.67	2.01	0.7	1.8	12	7.41	3,500	155	300
4	7/0.85	2.55	0.7	1.8	13	4.61	3,500	200	300
6	7/1.04	3.12	0.7	1.8	14	3.08	3,500	250	300
10	7/1.35	4.05	0.7	1.8	17	1.83	3,500	355	300
16	CC	4.7	0.7	1.8	18.5	1.15	3,500	480	300
25	CC	5.9	0.9	1.8	22	0.727	3,500	710	300
35	CC	6.9	0.9	1.8	24	0.524	3,500	925	300
50	CC	8.1	1.0	1.8	27	0.387	3,500	1,250	300
70	CC	9.8	1.1	1.8	31	0.268	3,500	1,660	300
95	CC	11.4	1.1	1.9	35	0.193	3,500	2,215	300
120	CC	12.9	1.2	2.0	38	0.153	3,500	2,735	300
150	CC	14.4	1.4	2.2	43	0.124	3,500	3,420	300
185	CC	15.9	1.6	2.3	47	0.0991	3,500	4,255	200
240	CC	18.3	1.7	2.5	53	0.0754	3,500	5,435	200
300	CC	20.5	1.8	2.6	58	0.0601	3,500	6,735	200

CC - Compact Circular

Three Core

KS C IEC 60502-1

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.8	1.8	11.5	12.1	3,500	145	300
2.5	7/0.67	2.01	0.8	1.8	12.5	7.41	3,500	185	300
4	7/0.85	2.55	1.0	1.8	13.5	4.61	3,500	245	300
6	7/1.04	3.12	1.0	1.8	14.5	3.08	3,500	320	300
10	7/1.35	4.05	1.0	1.8	18	1.83	3,500	460	300
16	CC	4.7	1.0	1.8	19.5	1.15	3,500	640	300
25	CC	5.9	1.2	1.8	23	0.727	3,500	960	300
35	CC	6.9	1.2	1.8	25	0.524	3,500	1,265	300
50	CC	8.1	1.4	1.8	29	0.387	3,500	1,710	300
70	CC	9.8	1.4	1.9	33	0.268	3,500	2,315	300
95	CC	11.4	1.6	2.0	37	0.193	3,500	3,095	300
120	CC	12.9	1.6	2.1	41	0.153	3,500	3,855	300
150	CC	14.4	1.8	2.3	46	0.124	3,500	4,825	300
185	CC	15.9	2.0	2.4	50	0.0991	3,500	6,005	200
240	CC	18.3	2.2	2.6	57	0.0754	3,500	7,635	200
300	CC	20.5	2.4	2.7	62	0.0601	3,500	9,545	200

CC - Compact Circular

CV

0.6/1 kV XLPE Insulated PVC Sheathed Power Cable

Four Core

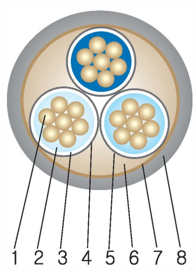
KS C IEC 60502-1

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3,500	175	300
2.5	7/0.67	2.01	0.7	1.8	13.5	7.41	3,500	220	300
4	7/0.85	2.55	0.7	1.8	14.5	4.61	3,500	295	300
6	7/1.04	3.12	0.7	1.8	16	3.08	3,500	395	300
10	7/1.35	4.05	0.7	1.8	20	1.83	3,500	580	300
16	CC	4.7	0.7	1.8	22	1.15	3,500	810	300
25	CC	5.9	0.9	1.8	26	0.727	3,500	1,230	300
35	CC	6.9	0.9	1.8	28	0.524	3,500	1,650	300
50	CC	8.1	1.0	1.9	32	0.387	3,500	2,230	300
70	CC	9.8	1.1	2.0	36	0.268	3,500	3,010	300
95	CC	11.4	1.1	2.1	42	0.193	3,500	4,050	300
120	CC	12.9	1.2	2.3	46	0.153	3,500	5,060	300
150	CC	14.4	1.4	2.4	51	0.124	3,500	6,315	300
185	CC	15.9	1.6	2.6	56	0.0991	3,500	7,895	200
240	CC	18.3	1.7	2.8	63	0.0754	3,500	10,025	200
300	CC	20.5	1.8	3.0	70	0.0601	3,500	12,560	200

CC - Compact Circular

CV, CVT

6/10kV XLPE Insulated PVC Sheathed Power Cable



1. Conductor
2. Semi-Conductive Layer
3. XLPE
4. Semi-Conductive Layer
5. Copper tape
6. Filler
7. Binder tape
8. Sheath

APPLICATION

This cable is designed for the purpose of using in power distri bution line, having excellent electrical physical and chemical properties.

COMPONENT

1. Conductor : Annealed Copper Wire(Compact Circular)
2. Insulation :XLPE
3. Core Identification : Black, White, Red
4. Shield : Copper Tape
5. Sheath : PVC

Single Core

KS C IEC 60502-2

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/㎞	V/5min	kg/km	m
16	CC	4.7	3.4	1.5	20	1.150	21	450	300
25	CC	5.9	3.4	1.5	21	0.727	21	565	300
35	CC	6.9	3.4	1.5	22	0.524	21	690	300
50	CC	8.1	3.4	1.6	23	0.387	21	820	300
70	CC	9.8	3.4	1.7	25	0.268	21	1,060	300
95	CC	11.4	3.4	1.7	27	0.193	21	1,330	300
120	CC	12.9	3.4	1.8	28	0.153	21	1,605	300
150	CC	14.4	3.4	1.8	30	0.124	21	1,905	300
185	CC	15.9	3.4	1.9	32	0.0991	21	2,300	300
240	CC	18.3	3.4	2.0	35	0.0754	21	2,855	300
300	CC	20.5	3.4	2.0	37	0.0601	21	3,465	300
400	CC	23.2	3.4	2.2	40	0.0770	21	4,445	300
500	CC	26.4	3.4	2.2	43	0.0366	21	5,680	300
630	CC	30.2	3.4	2.3	48	0.0283	21	6,990	300

CC - Compact Circular

CV, CVT

6/10kV XLPE Insulated PVC Sheathed Power Cable

Three Core

KS C IEC 60502-2

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm		mm	mm	mm	Ω/km	V/5min	kg/km	m
16	CC	4.7	3.4	2.1	39	1.150	21	1,460	300
25	CC	5.9	3.4	2.2	41	0.727	21	1,830	300
35	CC	6.9	3.4	2.3	43	0.524	21	2,230	300
50	CC	8.1	3.4	2.4	46	0.387	21	2,770	300
70	CC	9.8	3.4	2.5	50	0.268	21	3,420	300
95	CC	11.4	3.4	2.6	53	0.193	21	4,290	300
120	CC	12.9	3.4	2.7	57	0.153	21	5,165	300
150	CC	14.4	3.4	2.8	60	0.124	21	5,380	300
185	CC	15.9	3.4	2.9	64	0.0991	21	7,345	300
240	CC	18.3	3.4	3.1	69	0.0754	21	8,370	300
300	CC	20.5	3.4	3.3	74	0.0601	21	10,920	300

CC - Compact Circular

Triplex

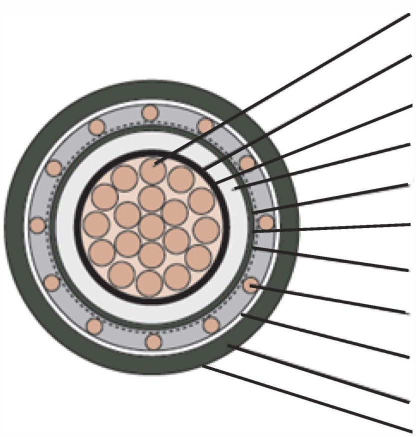
KS C IEC 60502-2

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm		mm	mm	mm	Ω/km	V/5min	kg/km	m
16	CC	4.7	3.4	1.5	44	1.150	21	1,365	300
25	CC	5.9	3.4	1.5	46	0.727	21	1,710	300
35	CC	6.9	3.4	1.6	48	0.524	21	2,090	300
50	CC	8.1	3.4	1.6	50	0.387	21	2,480	300
70	CC	9.8	3.4	1.7	54	0.268	21	3,210	300
95	CC	11.4	3.4	1.7	58	0.193	21	4,020	300
120	CC	12.9	3.4	1.8	61	0.153	21	4,850	300
150	CC	14.4	3.4	1.8	65	0.124	21	5,670	300
185	CC	15.9	3.4	1.9	70	0.0991	21	6,955	300
240	CC	18.3	3.4	2.0	76	0.0754	21	8,630	300
300	CC	20.5	3.4	2.0	80	0.0601	21	10,475	300

CC - Compact Circular

POWER CABLE

22.9kV CNCV-W, FR CNCO-W, TR CNCV-W, TR CNCE-W



22.9kV-y Concentric neutral, water blocking tape electric power cable(CNCV-W)

APPLICATION : Appropriate for 22.9kV 3-phase-4-wire distribution lines where directly-ground neutral system or multiple earth.

COMPONENT : Conductor : Cu cable (compressed)
Interior semi-conductor layer : Semi-conductor PE
Insulator : TR-XLPE
Exterior semi-conductor layer : Semi-conductor PE
Neutral conductor watertight layer : Semi-conductor inflation tape
Neutral conductor : Annealed copper wire
Sheath : PVC

Conductor			Nominal Insulation Thickness	Neutral Conductor	Nominal Sheath Thickness	Overall Diameter	Max. Conductor Resistance at 20℃	Min. Insulation Resistance at 20℃	Test Voltage	Max. Capacitance	Approx. Weight	Standard Length
Nominal Sectional Area	Construction	Outer Diameter										
mm²		No./mm	mm	mm x No.	mm	mm	Ω/km	MΩ/km	V/5min	μF/km	kg/km	m
38	CC	7.3	6.6	1.0 x 17	3.0	34	0.481	3,000	52	0.18	1,330	300
*60	CC	9.3	6.6	1.2 x 18	3.0	36	0.305	3,000	52	0.21	1,680	300
100	CC	12.0	6.6	1.6 x 17	3.0	39	0.183	2,500	52	0.25	2,290	300
150	CC	14.7	6.6	1.8 x 20	3.0	43	0.122	2,500	52	0.28	3,020	300
*200	CC	17.0	6.6	2.0 x 21	3.0	45	0.0915	2,000	52	0.32	3,710	300
250	CC	19.0	6.6	2.3 x 20	3.0	48	0.0739	2,000	52	0.34	4,390	200
*325	CC	21.7	6.6	2.3 x 26	3.0	51	0.0568	2,000	52	0.36	5,500	200
400	CC	24.1	6.6	2.6 x 25	3.2	55	0.0462	1,500	52	0.39	6,600	200
500	CC	26.9	6.6	2.6 x 31	3.3	57	0.0369	1,500	52	0.43	7,900	200
*600	CC	29.5	6.6	2.6 x 38	4.0	61	0.0308	1,500	52	0.47	9,500	200

CC - Compact Cirular

POWER CABLE

22.9kV-y CNCV-W, FR CNCO-W, TR CNCV-W, TR CNCE-W

22.9kV-y **Concentric neutral, water blocking tape electric power cable**(FR CNCO-W)

APPLICATION : Appropriate for 22.9kV 3-phase-4-wire distribution lines where directly-ground neutral system or multiple earth.
COMPONENT : Conductor : Cu cable (compressed)
Insulator : TR-XLPE Exterior semi-conductor layer : Semi-conductor PE
Neutral conductor watertight layer : Semi-conductor inflation tape
Neutral conductor : Annealed copper wire Sheath : Halogen Free Polyolefin

Conductor			Nominal Insulation Thickness	Neutral Conductor	Nominal Sheath Thickness	Overall Diameter	Max. Conductor Resistance at 20℃	Min. Insulation Resistance at 20℃	Test Voltage	Max. Capacitance	Approx. Weight	Standard Length
Nominal Sectional Area	Construction	Outer Diameter										
mm^2		No./mm	mm	mm x No.	mm	mm	Ω/㎞	MΩ/㎞	V/5min	㎌/㎞	kg/km	m
38	CC	7.3	6.6	1.0 x 17	3.0	34	0.481	3,000	52	0.18	1,330	300
*60	CC	9.3	6.6	1.2 x 18	3.0	36	0.305	3,000	52	0.21	1,680	300
100	CC	12.0	6.6	1.6 x 17	3.0	39	0.183	2,500	52	0.25	2,290	300
150	CC	14.7	6.6	1.8 x 20	3.0	43	0.122	2,500	52	0.28	3,020	300
*200	CC	17.0	6.6	2.0 x 21	3.0	45	0.0915	2,000	52	0.32	3,710	300
250	CC	19.0	6.6	2.3 x 20	3.0	48	0.0739	2,000	52	0.34	4,390	200
*325	CC	21.7	6.6	2.3 x 26	3.0	51	0.0568	2,000	52	0.36	5,500	200
400	CC	24.1	6.6	2.6 x 25	3.0	55	0.0462	1,500	52	0.39	6,600	200
500	CC	26.9	6.6	2.6 x 31	3.0	57	0.0369	1,500	52	0.43	7,900	200
*600	CC	29.5	6.6	2.6 x 38	4.0	61	0.0308	1,500	52	0.47	9,500	200

CC – Compact Cirular

22.9kV-y **Concentric neutral, water blocking tape electric power cable**(TR CNCV-W)

APPLICATION : Appropriate for 22.9kV 3-phase-4-wire distribution lines where directly-ground neutral system or multiple earth.
COMPONENT : Conductor : Cu cable (compressed)
Insulator : TR-XLPE Exterior semi-conductor layer : Semi-conductor PE
Neutral conductor watertight layer : Semi-conductor inflation tape
Neutral conductor : Annealed copper wire Sheath : PVC

Conductor			Nominal Insulation Thickness	Neutral Conductor	Nominal Sheath Thickness	Overall Diameter	Max. Conductor Resistance at 20℃	Min. Insulation Resistance at 20℃	Test Voltage	Max. Capacitance	Approx. Weight	Standard Length
Nominal Sectional Area	Construction	Outer Diameter										
mm^2		No./mm	mm	mm x No.	mm	mm	Ω/㎞	MΩ/㎞	V/5min	㎌/㎞	kg/km	m
60	CC	9.3	6.6	1.2 x 18	3.0	36	0.3050	3,000	52	0.21	1,700	300
200	CC	17.0	6.6	2.0 x 21	3.0	45	0.0915	2,000	52	0.32	3,700	300
325	CC	21.7	6.6	2.3 x 26	3.0	51	0.0568	2,000	52	0.36	5,400	200
600	CC	29.5	6.6	2.6 x 38	4.0	61	0.0308	1,500	52	0.47	9,300	200

CC – Compact Cirular

22.9kV-y **Concentric neutral, water blocking tape electric power cable**(TR CNCE-W)

APPLICATION : Appropriate for 22.9kV 3-phase-4-wire distribution lines where directly-ground neutral system or multiple earth.
COMPONENT : Conductor : Cu cable (compressed)
Insulator : TR-XLPE Exterior semi-conductor layer : Semi-conductor PE
Neutral conductor watertight layer : Semi-conductor inflation tape
Neutral conductor : Annealed copper wire Sheath : PE

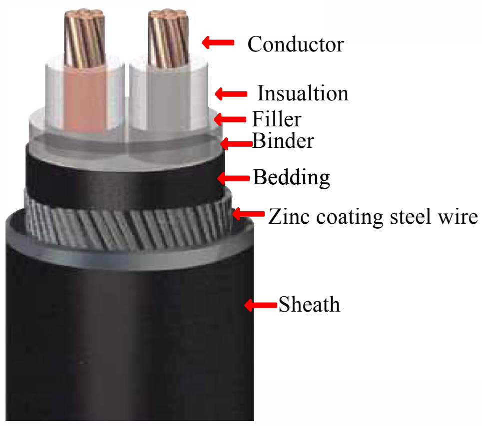
Conductor			Nominal Insulation Thickness	Neutral Conductor	Nominal Sheath Thickness	Overall Diameter	Max. Conductor Resistance at 20℃	Min. Insulation Resistance at 20℃	Test Voltage	Max. Capacitance	Approx. Weight	Standard Length
Nominal Sectional Area	Construction	Outer Diameter										
mm^2		No./mm	mm	mm x No.	mm	mm	Ω/㎞	MΩ/㎞	V/5min	㎌/㎞	kg/km	m
60	CC	9.3	6.8	18 x 1.2	1.5	32	0.3050	3,000	52	0.21	1,450	200
200	CC	17.0	6.8	21 x 2.0	1.5	42	0.0915	2,000	52	0.32	3,450	200
325	CC	21.7	6.8	26 x 2.3	2.4	49.5	0.0568	2,500	52	0.36	5,300	200
600	CC	29.5	6.8	38 x 2.6	2.4	59	0.0308	1,500	52	0.47	9,200	200

CC – Compact Cirular

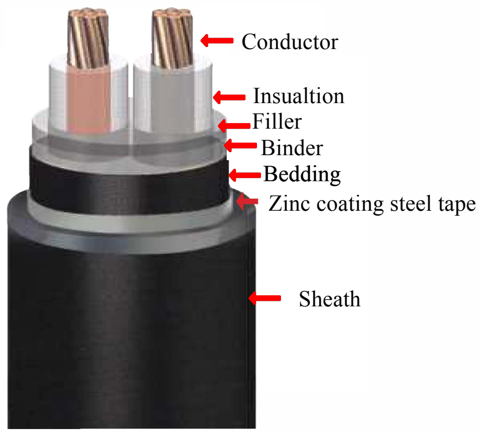
POWER CABLE

CVWAV, CVTAVS

CVWAV(STEEL ARMOUR)



CVTAV(STEEL TAPE ARMOUR)



POWER & Control CABLE

Tray Flame Retardant Cable

0.6/1kV Flame-Retardant PVC Sheathed Power Cable(FR-CV)
0.6/1kV XLPE Insulation and Tray-Retardant PVC Sheathed Power Cable(TFR-CV)
0.6/1kV PVC Insulation and Tray-Retardant PVC Sheathed Control Cable(TFR-CVV)
0.6/1kV Tray Flame-Retardant Insulated Wire for Grounding Cable(TFR-GV)
6/10kV XLPE Insulation and Tray-Retardant PVC Sheathed Power Cable(TFR-CV)
0.6/1kV XLPE Insulated Halogen Free Flame Retardant Poly-Olefin Sheathed Power Cable (HF-CO)
0.6/1kV XLPE Insulated Halogen Free Flame Retardant Poly-Olefin Sheathed Control Cable (HF-CCO)
6/10kV XLPE Insulated Halogen Free Flame Retardant Poly-Olefin Sheathed Power Cable (HF-CO)

FR CV (Flame-Retardant)

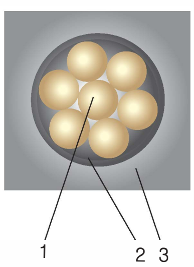
0.6/1kV Flame-Retardant PVC Sheathed Power Cable

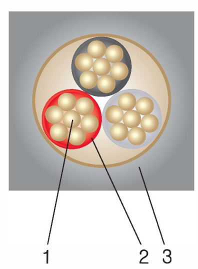
APPLICATION

This cable is designed for the purpose of using in power distribution line, having excellent electrical, flame retardant.

COMPONENT

1. Conductor : Annealed Copper Wire
   (Compact Circular, Compact Circular)
2. Insulation : XLPE
3. Core Identification : Colouring Method or Color Tape
   - 2Cores : Black, White
   - 3Cores : Black, White, Red
   - 4Cores : Black, White, Red, Green
4. Sheath : Flame-Retardant PVC
5. Stranded : K60502-1, KWS-410





FR-CV

1. Conductor
2. XLPE
3. Sheath

FR CV (Flame-Retardant)

0.6/1kV Flame-Retardant PVC Sheathed Power Cable

Single Core

Conductor Nominal Sectional Area	Conductor Number & Diameter	Conductor Outer Diameter	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.4	6.3	12.1	3,500	60	300
2.5	7/0.67	2.01	0.7	1.4	6.7	7.41	3,500	75	300
4	7/0.85	2.55	0.7	1.4	7.2	4.61	3,500	95	300
6	7/1.04	3.12	0.7	1.4	7.8	3.08	3,500	115	300
10	7/1.35	4.05	0.7	1.4	9.4	1.83	3,500	160	300
16	CC	4.7	0.7	1.4	10	1.15	3,500	220	300
25	CC	5.9	0.9	1.4	12	0.727	3,500	320	300
35	CC	6.9	0.9	1.4	13	0.524	3,500	420	300
50	CC	8.1	1.0	1.4	14.5	0.387	3,500	565	300
70	CC	9.8	1.1	1.4	16	0.268	3,500	750	300
95	CC	11.4	1.1	1.5	18.5	0.193	3,500	1,005	300
120	CC	12.9	1.2	1.5	20	0.153	3,500	1,260	300
150	CC	14.4	1.4	1.6	22	0.124	3,500	1,560	300
185	CC	15.9	1.6	1.6	24	0.0991	3,500	1,935	200
240	CC	18.3	1.7	1.7	27	0.0754	3,500	2,455	200
300	CC	20.5	1.8	1.8	30	0.0601	3,500	3,065	200
400	CC	23.2	2.0	1.9	34	0.0470	3,500	3,995	150
500	CC	26.4	2.2	2.0	37	0.0366	3,500	4,840	150
630	CC	30.2	2.4	2.2	42	0.0283	3,500	6,540	150

CC - Compact Circular

Two Core

Conductor Nominal Sectional Area	Conductor Number & Diameter	Conductor Outer Diameter	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	11	12.1	3,500	130	300
2.5	7/0.67	2.01	0.7	1.8	12	7.41	3,500	160	300
4	7/0.85	2.55	0.7	1.8	13	4.61	3,500	210	300
6	7/1.04	3.12	0.7	1.8	14	3.08	3,500	260	300
10	7/1.35	4.05	0.7	1.8	17	1.83	3,500	365	300
16	CC	4.7	0.7	1.8	18.5	1.15	3,500	490	300
25	CC	5.9	0.9	1.8	22	0.727	3,500	720	300
35	CC	6.9	0.9	1.8	24	0.524	3,500	940	300
50	CC	8.1	1.0	1.8	27	0.387	3,500	1,255	300
70	CC	9.8	1.1	1.8	31	0.268	3,500	1,655	300
95	CC	11.4	1.1	1.9	35	0.193	3,500	2,220	300
120	CC	12.9	1.2	2.0	38	0.153	3,500	2,770	300
150	CC	14.4	1.4	2.2	43	0.124	3,500	3,440	300
185	CC	15.9	1.6	2.3	47	0.0991	3,500	4,275	200
240	CC	18.3	1.7	2.5	53	0.0754	3,500	5,540	200
300	CC	20.5	1.8	2.6	58	0.0601	3,500	6,800	200

CC - Compact Circular

FR CV (Flame-Retardant)

0.6/1kV Flame-Retardant PVC Sheathed Power Cable

Three Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3,500	155	300
2.5	7/0.67	2.01	0.7	1.8	12.5	7.41	3,500	190	300
4	7/0.85	2.55	0.7	1.8	13.5	4.61	3,500	255	300
6	7/1.04	3.12	0.7	1.8	14.5	3.08	3,500	330	300
10	7/1.35	4.05	0.7	1.8	18	1.83	3,500	470	300
16	CC	4.7	0.7	1.8	19.5	1.15	3,500	650	300
25	CC	5.9	0.9	1.8	23	0.727	3,500	970	300
35	CC	6.9	0.9	1.8	25	0.524	3,500	1,280	300
50	CC	8.1	1.0	1.8	29	0.387	3,500	1,725	300
70	CC	9.8	1.1	1.9	33	0.268	3,500	2,320	300
95	CC	11.4	1.1	2.0	37	0.193	3,500	3,105	300
120	CC	12.9	1.2	2.1	41	0.153	3,500	3,890	300
150	CC	14.4	1.4	2.3	46	0.124	3,500	4,835	300
185	CC	15.9	1.6	2.5	50	0.0991	3,500	6,030	200
240	CC	18.3	1.7	2.6	57	0.0754	3,500	7,670	200
300	CC	20.5	1.8	2.7	62	0.0601	3,500	9,575	200

CC : Compact Circular

Fore Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3,500	180	300
2.5	7/0.67	2.01	0.7	1.8	13.5	7.41	3,500	235	300
4	7/0.85	2.55	0.7	1.8	14.5	4.61	3,500	305	300
6	7/1.04	3.12	0.7	1.8	16	3.08	3,500	405	300
10	7/1.35	4.05	0.7	1.8	20	1.83	3,500	590	300
16	CC	4.7	0.7	1.8	22	1.15	3,500	820	300
25	CC	5.9	0.9	1.8	26	0.727	3,500	1,245	300
35	CC	6.9	0.9	1.8	28	0.524	3,500	1,645	300
50	CC	8.1	1.0	1.9	32	0.387	3,500	2,240	300
70	CC	9.8	1.1	2.0	36	0.268	3,500	3,020	300
95	CC	11.4	1.1	2.1	42	0.193	3,500	4,060	300
120	CC	12.9	1.2	2.3	46	0.153	3,500	5,105	300
150	CC	14.4	1.4	2.4	51	0.124	3,500	6,345	300
185	CC	15.9	1.6	2.6	56	0.0991	3,500	7,930	200
240	CC	18.3	1.7	2.8	63	0.0754	3,500	10,060	200
300	CC	20.5	1.8	3.0	70	0.0601	3,500	12,600	200

CC − Compact Circular

TFR CV (Flame-Retardant)

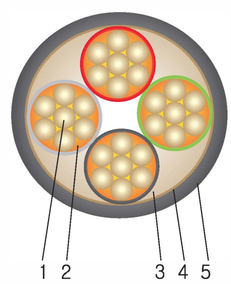
0.6/1kV XLPE Insulated and Tray Flame-Retardant PVC Sheathed Power Cable

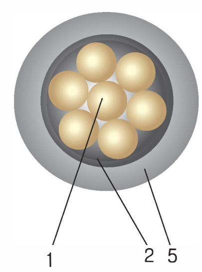
APPLICATION

This cable is designed for the purpose of using in power distribution line, having excellent electrical, flame retardant.

COMPONENT

1. Conductor : Annealed Copper Wire
   (Concentric Circular, Compact Circular)
2. Insulation : XLPE
3. Core Identification : Colouring Method or Color Tape
   - 2Cores : Black, White
   - 3Cores : Black, White, Red
   - 4Cores : Black, White, Red, Green
4. Sheath : Flame-Retardant PVC
5. Stranded : K60502-1, KWS-410





TFR-CV

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

TFR CV (Flame-Retardant)

0.6/1kV XLPE Insulated and Tray Flame-Retardant PVC Sheathed Power Cable

Single Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.4	6.3	12.1	3,500	60	300
2.5	7/0.67	2.01	0.7	1.4	6.7	7.41	3,500	75	300
4	7/0.85	2.55	0.7	1.4	7.2	4.61	3,500	95	300
6	7/1.04	3.12	0.7	1.4	7.8	3.08	3,500	115	300
10	7/1.35	4.05	0.7	1.4	9.4	1.83	3,500	160	300
16	CC	4.7	0.7	1.4	10	1.15	3,500	220	300
25	CC	5.9	0.9	1.4	12	0.727	3,500	320	300
35	CC	6.9	0.9	1.4	13	0.524	3,500	420	300
50	CC	8.1	1.0	1.4	14.5	0.387	3,500	565	300
70	CC	9.8	1.1	1.4	16	0.268	3,500	750	300
95	CC	11.4	1.1	1.5	18.5	0.193	3,500	1,005	300
120	CC	12.9	1.2	1.5	20	0.153	3,500	1,260	300
150	CC	14.4	1.4	1.6	22	0.124	3,500	1,560	300
185	CC	15.9	1.6	1.6	24	0.0991	3,500	1,935	200
240	CC	18.3	1.7	1.7	27	0.0754	3,500	2,455	200
300	CC	20.5	1.8	1.8	30	0.0601	3,500	3,065	200
400	CC	23.2	2.0	1.9	34	0.0470	3,500	3,995	150
500	CC	26.4	2.2	2.0	37	0.0366	3,500	4,840	150
630	CC	30.2	2.4	2.2	42	0.0283	3,500	6,540	150

CC - Compact Circular

Two Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	11	12.1	3,500	130	300
2.5	7/0.67	2.01	0.7	1.8	12	7.41	3,500	160	300
4	7/0.85	2.55	0.7	1.8	13	4.61	3,500	210	300
6	7/1.04	3.12	0.7	1.8	14	3.08	3,500	260	300
10	7/1.35	4.05	0.7	1.8	17	1.83	3,500	365	300
16	CC	4.7	0.7	1.8	18.5	1.15	3,500	490	300
25	CC	5.9	0.9	1.8	22	0.727	3,500	720	300
35	CC	6.9	0.9	1.8	24	0.524	3,500	940	300
50	CC	8.1	1.0	1.8	27	0.387	3,500	1,255	300
70	CC	9.8	1.1	1.8	31	0.268	3,500	1,655	300
95	CC	11.4	1.1	1.9	35	0.193	3,500	2,220	300
120	CC	12.9	1.2	2.0	38	0.153	3,500	2,770	300
150	CC	14.4	1.4	2.2	43	0.124	3,500	3,440	300
185	CC	15.9	1.6	2.3	47	0.0991	3,500	4,275	200
240	CC	18.3	1.7	2.5	53	0.0754	3,500	5,540	200
300	CC	20.5	1.8	2.6	58	0.0601	3,500	6,800	200

CC - Compact Circular

TFR CV (Flame-Retardant)

0.6/1kV XLPE Insulated and Tray Flame-Retardant PVC Sheathed Power Cable

Three Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/㎞	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3,500	155	300
2.5	7/0.67	2.01	0.7	1.8	12.5	7.41	3,500	190	300
4	7/0.85	2.55	0.7	1.8	13.5	4.61	3,500	255	300
6	7/1.04	3.12	0.7	1.8	14.5	3.08	3,500	330	300
10	7/1.35	4.05	0.7	1.8	18	1.83	3,500	470	300
16	CC	4.7	0.7	1.8	19.5	1.15	3,500	650	300
25	CC	5.9	0.9	1.8	23	0.727	3,500	970	300
35	CC	6.9	0.9	1.8	25	0.524	3,500	1,280	300
50	CC	8.1	1.0	1.8	29	0.387	3,500	1,725	300
70	CC	9.8	1.1	1.9	33	0.268	3,500	2,320	300
95	CC	11.4	1.1	2.0	37	0.193	3,500	3,105	300
120	CC	12.9	1.2	2.1	41	0.153	3,500	3,890	300
150	CC	14.4	1.4	2.3	46	0.124	3,500	4,835	300
185	CC	15.9	1.6	2.5	50	0.0991	3,500	6,030	200
240	CC	18.3	1.7	2.6	57	0.0754	3,500	7,670	200
300	CC	20.5	1.8	2.7	62	0.0601	3,500	9,575	200

CC - Compact Circular

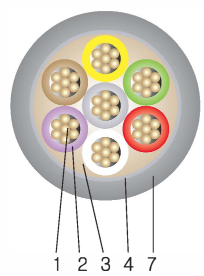
Fore Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/㎞	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3,500	180	300
2.5	7/0.67	2.01	0.7	1.8	13.5	7.41	3,500	235	300
4	7/0.85	2.55	0.7	1.8	14.5	4.61	3,500	305	300
6	7/1.04	3.12	0.7	1.8	16	3.08	3,500	405	300
10	7/1.35	4.05	0.7	1.8	20	1.83	3,500	590	300
16	CC	4.7	0.7	1.8	22	1.15	3,500	820	300
25	CC	5.9	0.9	1.8	26	0.727	3,500	1,245	300
35	CC	6.9	0.9	1.8	28	0.524	3,500	1,645	300
50	CC	8.1	1.0	1.9	32	0.387	3,500	2,240	300
70	CC	9.8	1.1	2.0	36	0.268	3,500	3,020	300
95	CC	11.4	1.1	2.1	42	0.193	3,500	4,060	300
120	CC	12.9	1.2	2.3	46	0.153	3,500	5,105	300
150	CC	14.4	1.4	2.4	51	0.124	3,500	6,345	300
185	CC	15.9	1.6	2.6	56	0.0991	3,500	7,930	200
240	CC	18.3	1.7	2.8	63	0.0754	3,500	10,060	200
300	CC	20.5	1.8	3.0	70	0.0601	3,500	12,600	200

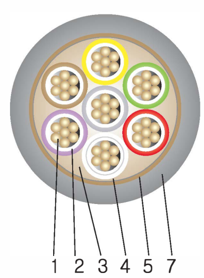
CC - Compact Circular

TFR CVV (Flame-Retardant)

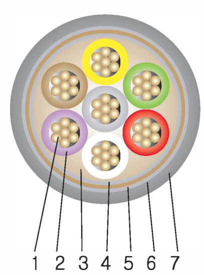
0.6/1kV PVC Insulated and Tray Flame-Retardant PVC Sheathed Control Cable



TFR-CW



TFR-CW-SB



TFR-CW-S

1. Conductor
2. Insulation
3. Filler
4. Binder Tape
5. Sheield
6. Binder Tape
7. Sheath

APPLICATION

This cable is designed for use in remote and subsation. It is lighter and has a more flexible control system under 0.6-1KV or 300V in power plant than conventional rubber insulated lead sheathed control cable, also excellent in fireproof and antifrction quality.

COMPONENT

1. Conductor : Annealed Copper Wire
   (Solid, Concentric Circular)
2. Insulation : PVC
3. Core Identification : Colouring Method
   - 2Cores : Black, White
   - 3Cores : Black, White, Red
   - 4Cores : Black, White, Red, Green
   - 5Cores : Black, White, Red, Green, Yellow
   - 6Cores : Black, White, Red, Green, Yellow, Brown
   - 7Cores : Black, White, Red, Green, Yellow, Brown, Blue
4. Sheath : Flame-Retardant PVC
5. Above 8Core : Numbering

Classes & Symbols

Classes	Symbol
0.6/1kV PVC Insulated FR-PVC Sheathed Control Cable	0.6/1kV TFR-CW
- Copper Tape Shield	0.6/1kV TFR-CVV-S
- Shield Braid	0.6/1kV TFR-CVV-SB

TFR CVV (Flame-Retardant)

0.6/1kV PVC Insulated and Tray Flame-Retardant PVC Sheathed Control Cable

0.6/1KV TFR-CVV

Number of core	Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
	Nominal Sectional Area	Number & Diameter	Outer Diameter							
	mm^2	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
2	1.5	7/0.53	1.59	0.8	1.8	11	12.1	3,500	145	300
	2.5	7/0.67	2.01	0.8	1.8	12	7.41	3,500	175	300
	4	7/0.85	2.55	1.0	1.8	14	4.61	3,500	240	300
	6	7/1.04	3.12	1.0	1.8	15	3.08	3,500	295	300
	10	7/1.35	4.05	1.0	1.8	17	1.83	3,500	410	300
3	1.5	7/0.53	1.59	0.8	1.8	11.5	12.1	3,500	170	300
	2.5	7/0.67	2.01	0.8	1.8	12.5	7.41	3,500	215	300
	4	7/0.85	2.55	1.0	1.8	14.5	4.61	3,500	300	300
	6	7/1.04	3.12	1.0	1.8	16	3.08	3,500	375	300
	10	7/1.35	4.05	1.0	1.8	18	1.83	3,500	530	300
4	1.5	7/0.53	1.59	0.8	1.8	12.5	12.1	3,500	205	300
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	3,500	255	300
	4	7/0.85	2.55	1.0	1.8	16	4.61	3,500	365	300
	6	7/1.04	3.12	1.0	1.8	17.5	3.08	3,500	465	300
	10	7/1.35	4.05	1.0	1.8	19.5	1.83	3,500	665	300
5	1.5	7/0.53	1.59	0.8	1.8	13.5	12.1	3,500	240	300
	2.5	7/0.67	2.01	0.8	1.8	14.5	7.41	3,500	305	300
	4	7/0.85	2.55	1.0	1.8	17	4.61	3,500	430	300
	6	7/1.04	3.12	1.0	1.8	19	3.08	3,500	560	300
	10	7/1.35	4.05	1.0	1.8	21.5	1.83	3,500	810	300
6	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	3,500	275	300
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	3,500	350	300
	4	7/0.85	2.55	1.0	1.8	18.5	4.61	3,500	505	300
	6	7/1.04	3.12	1.0	1.8	20.5	3.08	3,500	660	300
	10	7/1.35	4.05	1.0	1.8	23	1.83	3,500	950	300
7	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	3,500	295	300
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	3,500	380	300
	4	7/0.85	2.55	1.0	1.8	18.5	4.61	3,500	550	300
	6	7/1.04	3.12	1.0	1.8	20.5	3.08	3,500	720	300
	10	7/1.35	4.05	1.0	1.8	23	1.83	3,500	1,045	300
8	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	3,500	325	300
	2.5	7/0.67	2.01	0.8	1.8	17	7.41	3,500	430	300
	4	7/0.85	2.55	1.0	1.8	20	4.61	3,500	625	300
	6	7/1.04	3.12	1.0	1.8	22	3.08	3,500	815	300
	10	7/1.35	4.05	1.0	1.8	25	1.83	3,500	1,200	300
10	1.5	7/0.53	1.59	0.8	1.8	17.5	12.1	3,500	410	300
	2.5	7/0.67	2.01	0.8	1.8	19.5	7.41	3,500	535	300
	4	7/0.85	2.55	1.0	1.8	23.5	4.61	3,500	795	300
	6	7/1.04	3.12	1.0	1.8	25.5	3.08	3,500	1,035	300
	10	7/1.35	4.05	1.0	1.8	29.5	1.83	3,500	1,520	300
12	1.5	7/0.53	1.59	0.8	1.8	18	12.1	3,500	460	300
	2.5	7/0.67	2.01	0.8	1.8	20	7.41	3,500	605	300
	4	7/0.85	2.55	1.0	1.8	24	4.61	3,500	895	300
	6	7/1.04	3.12	1.0	1.8	26.5	3.08	3,500	1,195	300
	10	7/1.35	4.05	1.0	1.8	30.5	1.83	3,500	1,765	300
15	1.5	7/0.53	1.59	0.8	1.8	19.5	12.1	3,500	535	300
	2.5	7/0.67	2.01	0.8	1.8	21.5	7.41	3,500	705	300
	4	7/0.85	2.55	1.0	1.8	26	4.61	3,500	1,085	300
	6	7/1.04	3.12	1.0	1.8	28.5	3.08	3,500	1,435	300
20	1.5	7/0.53	1.59	0.8	1.8	21.5	12.1	3,500	675	300
	2.5	7/0.67	2.01	0.8	1.8	24	7.41	3,500	905	300
	4	7/0.85	2.55	1.0	1.8	29	4.61	3,500	1,385	300
	6	7/1.04	3.12	1.0	1.8	32	3.08	3,500	1,850	300
25	1.5	7/0.53	1.59	0.8	1.8	24	12.1	3,500	815	300
	2.5	7/0.67	2.01	0.8	1.8	27	7.41	3,500	1,120	300
	4	7/0.85	2.55	1.0	1.9	33	4.61	3,500	1,710	300
30	1.5	7/0.53	1.59	0.8	1.8	25.5	12.1	3,500	945	300
	2.5	7/0.67	2.01	0.8	1.8	28.5	7.41	3,500	1,305	300
	4	7/0.85	2.55	1.0	1.9	35	4.61	3,500	1,995	300
40	1.5	7/0.53	1.59	0.8	1.8	28.5	12.1	3,500	1,200	300
	2.5	7/0.67	2.01	0.8	1.9	32	7.41	3,500	1,655	300
50	1.5	7/0.53	1.59	0.8	1.9	31.5	12.1	3,500	1,485	300
	2.5	7/0.67	2.01	0.8	2.0	35.5	7.41	3,500	2,055	300

TFR CVV (Flame-Retardant)

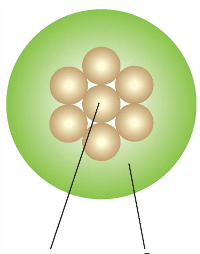
0.6/1kV PVC Insulated and Tray Flame-Retardant PVC Sheathed Control Cable

0 6/1KV TFR-CVV-S

Number of core	Conductor: Nominal Sectional Area	Conductor: Number & Diameter	Conductor: Outer Diameter	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
	mm^2	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
2	1.5	7/0.53	1.59	0.8	1.8	11	12.1	3,500	175	300
	2.5	7/0.67	2.01	0.8	1.8	12	7.41	3,500	210	300
	4	7/0.85	2.55	1.0	1.8	14	4.61	3,500	280	300
	6	7/1.04	3.12	1.0	1.8	15	3.08	3,500	350	300
	10	7/1.35	4.05	1.0	1.8	17	1.83	3,500	470	300
3	1.5	7/0.53	1.59	0.8	1.8	11.5	12.1	3,500	205	300
	2.5	7/0.67	2.01	0.8	1.8	12.5	7.41	3,500	250	300
	4	7/0.85	2.55	1.0	1.8	14.5	4.61	3,500	350	300
	6	7/1.04	3.12	1.0	1.8	16	3.08	3,500	430	300
	10	7/1.35	4.05	1.0	1.8	18	1.83	3,500	595	300
4	1.5	7/0.53	1.59	0.8	1.8	12.5	12.1	3,500	240	300
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	3,500	295	300
	4	7/0.85	2.55	1.0	1.8	16	4.61	3,500	425	300
	6	7/1.04	3.12	1.0	1.8	17.5	3.08	3,500	525	300
	10	7/1.35	4.05	1.0	1.8	19.5	1.83	3,500	735	300
5	1.5	7/0.53	1.59	0.8	1.8	13.5	12.1	3,500	280	300
	2.5	7/0.67	2.01	0.8	1.8	14.5	7.41	3,500	355	300
	4	7/0.85	2.55	1.0	1.8	17	4.61	3,500	490	300
	6	7/1.04	3.12	1.0	1.8	19	3.08	3,500	630	300
	10	7/1.35	4.05	1.0	1.8	21.5	1.83	3,500	885	300
6	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	3,500	320	300
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	3,500	405	300
	4	7/0.85	2.55	1.0	1.8	18.5	4.61	3,500	575	300
	6	7/1.04	3.12	1.0	1.8	20.5	3.08	3,500	735	300
	10	7/1.35	4.05	1.0	1.8	23	1.83	3,500	1,045	300
7	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	3,500	350	300
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	3,500	435	300
	4	7/0.85	2.55	1.0	1.8	18.5	4.61	3,500	620	300
	6	7/1.04	3.12	1.0	1.8	20.5	3.08	3,500	795	300
	10	7/1.35	4.05	1.0	1.8	23	1.83	3,500	1,145	300
8	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	3,500	375	300
	2.5	7/0.67	2.01	0.8	1.8	17	7.41	3,500	490	300
	4	7/0.85	2.55	1.0	1.8	20	4.61	3,500	705	300
	6	7/1.04	3.12	1.0	1.8	22	3.08	3,500	910	300
	10	7/1.35	4.05	1.0	1.8	25	1.83	3,500	1,305	300
10	1.5	7/0.53	1.59	0.8	1.8	17.5	12.1	3,500	475	300
	2.5	7/0.67	2.01	0.8	1.8	19.5	7.41	3,500	605	300
	4	7/0.85	2.55	1.0	1.8	23.5	4.61	3,500	895	300
	6	7/1.04	3.12	1.0	1.8	25.5	3.08	3,500	1,145	300
	10	7/1.35	4.05	1.0	1.8	29.5	1.83	3,500	1,665	300
12	1.5	7/0.53	1.59	0.8	1.8	18	12.1	3,500	530	300
	2.5	7/0.67	2.01	0.8	1.8	20	7.41	3,500	680	300
	4	7/0.85	2.55	1.0	1.8	24	4.61	3,500	995	300
	6	7/1.04	3.12	1.0	1.8	26.5	3.08	3,500	1,320	300
	10	7/1.35	4.05	1.0	1.8	30.5	1.83	3,500	1,955	300
15	1.5	7/0.53	1.59	0.8	1.8	19.5	12.1	3,500	610	300
	2.5	7/0.67	2.01	0.8	1.8	21.5	7.41	3,500	790	300
	4	7/0.85	2.55	1.0	1.8	26	4.61	3,500	1,210	300
	6	7/1.04	3.12	1.0	1.8	28.5	3.08	3,500	1,570	300
20	1.5	7/0.53	1.59	0.8	1.8	21.5	12.1	3,500	770	300
	2.5	7/0.67	2.01	0.8	1.8	24	7.41	3,500	1,005	300
	4	7/0.85	2.55	1.0	1.8	29	4.61	3,500	1,525	300
	6	7/1.04	3.12	1.0	1.8	32	3.08	3,500	2,050	300
25	1.5	7/0.53	1.59	0.8	1.8	24	12.1	3,500	920	300
	2.5	7/0.67	2.01	0.8	1.8	27	7.41	3,500	1,250	300
	4	7/0.85	2.55	1.0	1.9	33	4.61	3,500	1,920	300
30	1.5	7/0.53	1.59	0.8	1.8	25.5	12.1	3,500	1,070	300
	2.5	7/0.67	2.01	0.8	1.8	28.5	7.41	3,500	1,440	300
	4	7/0.85	2.55	1.0	1.9	35	4.61	3,500	2,220	300
40	1.5	7/0.53	1.59	0.8	1.8	28.5	12.1	3,500	1,335	300
	2.5	7/0.67	2.01	0.8	1.9	32	7.41	3,500	1,855	300
50	1.5	7/0.53	1.59	0.8	1.9	31.5	12.1	3,500	1,685	300
	2.5	7/0.67	2.01	0.8	2.0	35.5	7.41	3,500	2,295	300

TFR GV (Flame-Retardant)

0.6/1kV Tray Flame-Retardant Insulated Wire for Grounding Cable



TFR-GV

1. Conductor
2. Insulation

APPLICATION

This wire is used for grounding of electric apparatus, excellent flame retardant.

COMPONENT

1. Conductor : Annealed Copper Wire
   (Compact Circular, Compact Circular)
2. Insulation : Flame-Retardant PVC
3. Core Identification : Green

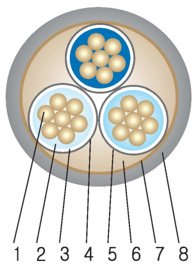
0.6/1KV TFR-GV

Conductor			Nominal Insulation Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter						
mm²	No./mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	2.2	6.5	12.1	3,500	65	300
2.5	7/0.67	2.01	2.2	7.0	7.41	3,500	80	300
4	7/0.85	2.55	2.4	8.0	4.61	3,500	105	300
6	7/1.04	3.12	2.4	8.5	3.08	3,500	135	300
10	7/1.35	4.05	2.4	9.5	1.83	3,500	185	300
16	CC	4.7	2.4	10.0	1.15	3,500	240	300
25	CC	5.9	2.6	12.0	0.727	3,500	350	300
35	CC	6.9	2.6	13.0	0.524	3,500	440	300
50	CC	8.1	2.8	14.5	0.387	3,500	615	300
70	CC	9.8	2.8	16.0	0.268	3,500	800	300
95	CC	11.4	3.1	18.5	0.193	3,500	1,080	300
120	CC	12.9	3.1	20.0	0.153	3,500	1,330	300
150	CC	14.4	3.4	22.0	0.124	3,500	1,640	300
185	CC	15.9	3.7	25.0	0.0991	3,500	2,040	200
240	CC	18.3	4.0	28.0	0.0754	3,500	2,595	200
300	CC	20.5	4.3	30.0	0.0601	3,500	3,215	200
400	CC	23.2	4.6	34.0	0.0470	3,500	4,200	150
500	CC	26.4	4.9	38.0	0.0366	3,500	5,060	150
630	CC	30.2	5.0	42.0	0.0283	3,500	6,740	150

CC - Compact Circular

6/10kV TFR CV (Flame-Retardant)

6/10kV XLPE Insulated Tray Flame-Retardant PVC Sheathed Power Cable



1 Conductor
2. Semi-Conductive Layer
3. XLPE
4. Semi-Conductive Layer
5.Copper Tape
6 Filler
7.Binder Tape
8. Sheath

APPLICATION

This cable is designed for the purpose of using in power distribution line, having excellent electrical, flame retardant.

COMPONENT

1. Conductor : Annealed Copper Wire(Compact circular)
2. Semi-Conductive Layer
3. XLPE
4. Semi-Conductive Layer
5. Copper Tape
6. Filler
7. Binder Tape
8. Sheath

Single Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm^2	No./mm	mm	mm	mm	mm	Ω/㎞	V/5min	kg/km	m
16	CC	4.7	3.4	1.5	20	1.150	21	460	300
25	CC	5.9	3.4	1.5	21	0.727	21	575	300
35	CC	6.9	3.4	1.6	22	0.524	21	710	300
50	CC	8.1	3.4	1.6	23	0.387	21	835	300
70	CC	9.8	3.4	1.7	25	0.268	21	1,075	300
95	CC	11.4	3.4	1.7	27	0.193	21	1,350	300
120	CC	12.9	3.4	1.8	28	0.153	21	1,625	300
150	CC	14.4	3.4	1.8	30	0.124	21	1,925	300
185	CC	15.9	3.4	1.9	32	0.0991	21	2,325	300
240	CC	18.3	3.4	2.0	35	0.0754	21	2,880	300
300	CC	20.5	3.4	2.0	37	0.0601	21	3,495	300
400	CC	23.2	3.4	2.2	40	0.0470	21	4,480	300
500	CC	26.4	3.4	2.2	43	0.0366	21	5,705	300
630	CC	30.2	3.4	2.3	48	0.0283	21	7,025	300

CC – Compact Circular

6/10kV TFR CV (Flame-Retardant)

6/10kV XLPE Insulated Tray Flame-Retardant PVC Sheathed Power Cable

Three Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm^2	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
16	CC	4.7	3.4	2.1	39	1.150	21	1,490	300
25	CC	5.9	3.4	2.2	41	0.727	21	1,865	300
35	CC	6.9	3.4	2.3	43	0.524	21	2,270	300
50	CC	8.1	3.4	2.4	46	0.387	21	2,810	300
70	CC	9.8	3.4	2.5	50	0.268	21	3,465	300
95	CC	11.4	3.4	2.6	53	0.193	21	4,345	300
120	CC	12.9	3.4	2.7	57	0.153	21	5,225	300
150	CC	14.4	3.4	2.8	60	0.124	21	5,445	300
185	CC	15.9	3.4	2.9	64	0.0991	21	7,415	300
240	CC	18.3	3.4	3.1	69	0.0754	21	8,450	300
300	CC	20.5	3.4	3.3	74	0.0601	21	11,015	300

CC – Compact Circular

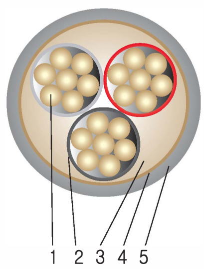
Triplex

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm^2	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
16	CC	4.7	3.4	1.5	44	1.150	21	1,395	300
25	CC	5.9	3.4	1.5	46	0.727	21	1,714	300
35	CC	6.9	3.4	1.6	48	0.524	21	2,150	300
50	CC	8.1	3.4	1.6	50	0.387	21	2,530	300
70	CC	9.8	3.4	1.7	54	0.268	21	3,250	300
95	CC	11.4	3.4	1.7	58	0.193	21	4,080	300
120	CC	12.9	3.4	1.8	61	0.153	21	4,915	300
150	CC	14.4	3.4	1.8	65	0.124	21	5,820	300
185	CC	15.9	3.4	1.9	70	0.0991	21	7,030	300
240	CC	18.3	3.4	2.0	76	0.0754	21	8,710	300
300	CC	20.5	3.4	2.0	80	0.0601	21	10,565	300

CC – Compact Circular

HF CO (Flame-Retardant)

0.6/1kV XLPE Insulated Halogen Free Flame Retardant Poly-Olefin Sheathed Power Cable



HF-CO

1. Conductor
2. Insulation
3. Filler
4. Binder Tape
5. Halogen Free Poly-Olefin

APPLICATION

This cable is designed for the purpose of using in power distribution line, having excellent low smoking nontoxic and flame retardant.

COMPONENT

1. Conductor : Annealed Copper Wire(Concentric Circular, Compact Circular)
2. Insulation : XLPE
3. Core Identification : Colouring Method or Colouring Tape
   - 2Cores : Black, White
   - 3Cores : Black, White, Red
   - 4Cores : Black, White, Red, Green
4. Sheath : Halogen Free Flame Retardant Poly-Olefin

Single Core

KS C IEC 60502-1

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.4	6.5	12.1	3,500	50	300
2.5	7/0.67	2.01	0.7	1.4	7.0	7.41	3,500	70	300
4	7/0.85	2.55	0.7	1.4	7.5	4.61	3,500	90	300
6	7/1.04	3.12	0.7	1.4	8.0	3.08	3,500	110	300
10	7/1.35	4.05	0.7	1.4	9.0	1.83	3,500	170	300
16	CC	4.7	0.7	1.4	9.5	1.15	3,500	210	300
25	CC	5.9	0.9	1.4	11.0	0.727	3,500	310	300
35	CC	6.9	0.9	1.4	12.0	0.524	3,500	400	300
50	CC	8.1	1.0	1.4	13.5	0.387	3,500	520	300
70	CC	9.8	1.1	1.4	15.5	0.268	3,500	720	300
95	CC	11.4	1.1	1.5	17.5	0.193	3,500	970	300
120	CC	12.9	1.2	1.5	19.0	0.153	3,500	1,210	300
150	CC	14.4	1.4	1.6	21.0	0.124	3,500	1,490	300
185	CC	15.9	1.6	1.6	23.0	0.0991	3,500	1,840	200
240	CC	18.3	1.7	1.7	26.0	0.0754	3,500	2,400	200
300	CC	20.5	1.8	1.8	28.5	0.0601	3,500	2,980	200
400	CC	23.2	2.0	1.9	32.0	0.0470	3,500	3,800	150
500	CC	26.4	2.2	2.0	36.0	0.0366	3,500	4,890	150
630	CC	30.2	2.4	2.2	40.5	0.0283	3,500	6,240	150

CC - Compact Circular

HF CO (Flame-Retardant)

0.6/1kV XLPE Insulated Halogen Free Flame Retardant Poly-Olefin Sheathed Power Cable

Two Core

KS C IEC 60502-1

Conductor: Nominal Sectional Area	Conductor: Number & Diameter	Conductor: Outer Diameter	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
mm²	No./mm	mm	mm	mm	mm	Ω/㎞	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	10.5	12.1	3,500	120	300
2.5	7/0.67	2.01	0.7	1.8	11.5	7.41	3,500	150	300
4	7/0.85	2.55	0.7	1.8	12.5	4.61	3,500	190	300
6	7/1.04	3.12	0.7	1.8	13.5	3.08	3,500	240	300
10	7/1.35	4.05	0.7	1.8	15.5	1.83	3,500	330	300
16	CC	4.7	0.7	1.8	16.5	1.15	3,500	450	300
25	CC	5.9	0.9	1.8	20.0	0.727	3,500	660	300
35	CC	6.9	0.9	1.8	22.0	0.524	3,500	880	300
50	CC	8.1	1.0	1.8	25.0	0.387	3,500	1,150	300
70	CC	9.8	1.1	1.8	28.5	0.268	3,500	1,610	300
95	CC	11.4	1.1	1.9	32.0	0.193	3,500	2,170	300
120	CC	12.9	1.2	2.0	35.5	0.153	3,500	2,670	300
150	CC	14.4	1.4	2.2	40.0	0.124	3,500	3,310	300
185	CC	15.9	1.6	2.3	44.0	0.0991	3,500	4,110	200
240	CC	18.3	1.7	2.5	50.0	0.0754	3,500	5,350	200
300	CC	20.5	1.8	2.6	55.5	0.0601	3,500	6,630	200

CC - Compact Circular

Three Core

KS C IEC 60502-1

Conductor: Nominal Sectional Area	Conductor: Number & Diameter	Conductor: Outer Diameter	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
mm²	No./mm	mm	mm	mm	mm	Ω/㎞	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	11.0	12.1	3,500	150	300
2.5	7/0.67	2.01	0.7	1.8	12.0	7.41	3,500	180	300
4	7/0.85	2.55	0.7	1.8	13.0	4.61	3,500	240	300
6	7/1.04	3.12	0.7	1.8	14.5	3.08	3,500	310	300
10	7/1.35	4.05	0.7	1.8	16.5	1.83	3,500	450	300
16	CC	4.7	0.7	1.8	17.5	1.15	3,500	610	300
25	CC	5.9	0.9	1.8	21.0	0.727	3,500	900	300
35	CC	6.9	0.9	1.8	23.5	0.524	3,500	1,210	300
50	CC	8.1	1.0	1.8	26.5	0.387	3,500	1,560	300
70	CC	9.8	1.1	1.9	31.0	0.268	3,500	2,200	300
95	CC	11.4	1.1	2.0	34.5	0.193	3,500	2,970	300
120	CC	12.9	1.2	2.1	38.5	0.153	3,500	3,790	300
150	CC	14.4	1.4	2.3	43.0	0.124	3,500	4,670	300
185	CC	15.9	1.6	2.4	47.5	0.0991	3,500	5,830	200
240	CC	18.3	1.7	2.6	53.5	0.0754	3,500	7,530	200
300	CC	20.5	1.8	2.7	59.0	0.0601	3,500	9,400	200

CC - Compact Circular

HF CO (Flame-Retardant)

0.6/1 kV XLPE Insulated Halogen Free Flame Retardant Poly-Olefin Sheathed Power Cable

Four Core

KS C IEC 60502-1

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	12.0	12.1	3,500	170	300
2.5	7/0.67	2.01	0.7	1.8	13.0	7.41	3,500	220	300
4	7/0.85	2.55	0.7	1.8	14.0	4.61	3,500	290	300
6	7/1.04	3.12	0.7	1.8	15.5	3.08	3,500	380	300
10	7/1.35	4.05	0.7	1.8	17.5	1.83	3,500	570	300
16	CC	4.7	0.7	1.8	19.5	1.15	3,500	790	300
25	CC	5.9	0.9	1.8	23.5	0.727	3,500	1,180	300
35	CC	6.9	0.9	1.8	25.5	0.524	3,500	1,550	300
50	CC	8.1	1.0	1.9	29.5	0.387	3,500	2,060	300
70	CC	9.8	1.1	2.0	34.0	0.268	3,500	2,930	300
95	CC	11.4	1.1	2.1	38.5	0.193	3,500	3,970	300
120	CC	12.9	1.2	2.3	43.0	0.153	3,500	4,980	300
150	CC	14.4	1.4	2.4	48.0	0.124	3,500	6,130	300
185	CC	15.9	1.6	2.6	53.0	0.0991	3,500	7,660	200
240	CC	18.3	1.7	2.8	59.5	0.0754	3,500	9,960	200
300	CC	20.5	1.8	3.0	66.0	0.0601	3,500	12,380	200

CC - Compact Circular

HF CCO (Flame-Retardant)

0.6/1 kV XLPE Insulated Halogen Free Flame Retardant Poly-Olefin Sheathed Control Cable

APPLICATION

This cable is designed for use in remote and subsation. It is lighter and has a more flexible control system under 0.6-1KV or 300V in power plant than conventional rubber insulated lead sheathed cintrol cable, alsoexcellent in fireproof and antifriation quality.

Number of core	Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max Conductor Resistance at 20 ℃	Test Voltage	Approx Weight
	Nominal Sectional Area	Number & Diameter	Outer Diameter						
	mm^2	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km
2C	1.5	7/0.53	1.59	0.7	1.8	10.5	12.1	3,500	120
	2.5	7/0.67	2.01	0.7	1.8	11.0	7.41	3,500	150
	4	7/0.85	2.55	0.7	1.8	12.0	4.61	3,500	190
	6	7/1.04	3.12	0.7	1.8	13.5	3.08	3,500	240
	10	7/1.35	4.05	0.7	1.8	15.0	1.83	3,500	350
3C	1.5	7/0.53	1.59	0.7	1.8	11.0	12.1	3,500	140
	2.5	7/0.67	2.01	0.7	1.8	11.5	7.41	3,500	180
	4	7/0.85	2.55	0.7	1.8	13.0	4.61	3,500	240
	6	7/1.04	3.12	0.7	1.8	14.0	3.08	3,500	310
	10	7/1.35	4.05	0.7	1.8	16.0	1.83	3,500	460
4C	1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3,500	170
	2.5	7/0.67	2.01	0.7	1.8	12.5	7.41	3,500	220
	4	7/0.85	2.55	0.7	1.8	14.0	4.61	3,500	290
	6	7/1.04	3.12	0.7	1.8	15.0	3.08	3,500	390
	10	7/1.35	4.05	0.7	1.8	17.5	1.83	3,500	580
5C	1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3,500	200
	2.5	7/0.67	2.01	0.7	1.8	13.5	7.41	3,500	260
	4	7/0.85	2.55	0.7	1.8	15.0	4.61	3,500	350
	6	7/1.04	3.12	0.7	1.8	16.5	3.08	3,500	470
	10	7/1.35	4.05	0.7	1.8	19.0	1.83	3,500	700
6C	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3,500	230
	2.5	7/0.67	2.01	0.7	1.8	14.5	7.41	3,500	300
	4	7/0.85	2.55	0.7	1.8	16.0	4.61	3,500	410
	6	7/1.04	3.12	0.7	1.8	18.0	3.08	3,500	550
	10	7/1.35	4.05	0.7	1.8	20.5	1.83	3,500	830
7C	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3,500	240
	2.5	7/0.67	2.01	0.7	1.8	14.5	7.41	3,500	320
	4	7/0.85	2.55	0.7	1.8	16.0	4.61	3,500	450
	6	7/1.04	3.12	0.7	1.8	18.0	3.08	3,500	600
	10	7/1.35	4.05	0.7	1.8	20.5	1.83	3,500	920
8C	1.5	7/0.53	1.59	0.7	1.8	14.5	12.1	3,500	270
	2.5	7/0.67	2.01	0.7	1.8	15.5	7.41	3,500	370
	4	7/0.85	2.55	0.7	1.8	17.5	4.61	3,500	510
	6	7/1.04	3.12	0.7	1.8	19.5	3.08	3,500	690
	10	7/1.35	4.05	0.7	1.8	22.5	1.83	3,500	1,050
10C	1.5	7/0.53	1.59	0.7	1.8	16.5	12.1	3,500	340
	2.5	7/0.67	2.01	0.7	1.8	18.0	7.41	3,500	460
	4	7/0.85	2.55	0.7	1.8	20.5	4.61	3,500	640
	6	7/1.04	3.12	0.7	1.8	22.5	3.08	3,500	640
	10	7/1.35	4.05	0.7	1.8	26.5	1.83	3,500	1,330
12C	1.5	7/0.53	1.59	0.7	1.8	17.0	12.1	3,500	380
	2.5	7/0.67	2.01	0.7	1.8	18.5	7.41	3,500	520
	4	7/0.85	2.55	0.7	1.8	21.0	4.61	3,500	730
	6	7/1.04	3.12	0.7	1.8	23.5	3.08	3,500	1,010
	10	7/1.35	4.05	0.7	1.8	27.0	1.83	3,500	1,550
15C	1.5	7/0.53	1.59	0.7	1.8	18.0	12.1	3,500	460
	2.5	7/0.67	2.01	0.7	1.8	20.0	7.41	3,500	620
	4	7/0.85	2.55	0.7	1.8	22.5	4.61	3,500	890
	6	7/1.04	3.12	0.7	1.8	25.0	3.08	3,500	1,220
20C	1.5	7/0.53	1.59	0.7	1.8	20.5	12.1	3,500	580
	2.5	7/0.67	2.01	0.7	1.8	22.5	7.41	3,500	810
	4	7/0.85	2.55	0.7	1.8	25.5	4.61	3,500	1,150
	6	7/1.04	3.12	0.7	1.8	29.0	3.08	3,500	1,610
30C	1.5	7/0.53	1.59	0.7	1.8	24.0	12.1	3,500	850
	2.5	7/0.67	2.01	0.7	1.8	26.5	7.41	3,500	1,150
	4	7/0.85	2.55	0.7	1.8	30.0	4.61	3,500	1,680

HF CCOS (Flame-Retardant)

0.6/1 kV XLPE Insulated Halogen Free Flame Retardant Poly-Olefin Sheathed Control Cable

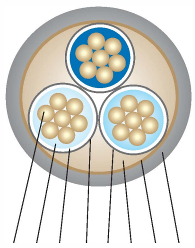
APPLICATION

This cable is designed for use in remote and subsation. It is lighter and has a more flexible control system under 0.6-1KV or 300V in power plant than conventional rubber insulated lead sheathed cintrol cable, alsoexcellent in fireproof and antifriation quality.

Number of core	Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max Conductor Resistance at 20 ℃	Test Voltage	Approx Weight
	Nominal Sectional Area	Number & Diameter	Outer Diameter						
	mm^2	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km
2C	1.5	7/0.53	1.59	0.7	1.8	10.5	12.1	3,500	140
	2.5	7/0.67	2.01	0.7	1.8	11.5	7.41	3,500	170
	4	7/0.85	2.55	0.7	1.8	12.5	4.61	3,500	220
	6	7/1.04	3.12	0.7	1.8	13.5	3.08	3,500	270
	10	7/1.35	4.05	0.7	1.8	15.5	1.83	3,500	380
3C	1.5	7/0.53	1.59	0.7	1.8	11.0	12.1	3,500	160
	2.5	7/0.67	2.01	0.7	1.8	12.0	7.41	3,500	200
	4	7/0.85	2.55	0.7	1.8	13.0	4.61	3,500	270
	6	7/1.04	3.12	0.7	1.8	14.5	3.08	3,500	340
	10	7/1.35	4.05	0.7	1.8	16.5	1.83	3,500	490
4C	1.5	7/0.53	1.59	0.7	1.8	12.0	12.1	3,500	190
	2.5	7/0.67	2.01	0.7	1.8	13.0	7.41	3,500	240
	4	7/0.85	2.55	0.7	1.8	14.0	4.61	3,500	320
	6	7/1.04	3.12	0.7	1.8	15.5	3.08	3,500	420
	10	7/1.35	4.05	0.7	1.8	18.0	1.83	3,500	620
5C	1.5	7/0.53	1.59	0.7	1.8	13.0	12.1	3,500	220
	2.5	7/0.67	2.01	0.7	1.8	14.0	7.41	3,500	290
	4	7/0.85	2.55	0.7	1.8	15.5	4.61	3,500	380
	6	7/1.04	3.12	0.7	1.8	17.0	3.08	3,500	510
	10	7/1.35	4.05	0.7	1.8	19.5	1.83	3,500	740
6C	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3,500	260
	2.5	7/0.67	2.01	0.7	1.8	15.0	7.41	3,500	330
	4	7/0.85	2.55	0.7	1.8	16.5	4.61	3,500	450
	6	7/1.04	3.12	0.7	1.8	18.5	3.08	3,500	590
	10	7/1.35	4.05	0.7	1.8	21.0	1.83	3,500	880
7C	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3,500	270
	2.5	7/0.67	2.01	0.7	1.8	15.0	7.41	3,500	360
	4	7/0.85	2.55	0.7	1.8	16.5	4.61	3,500	480
	6	7/1.04	3.12	0.7	1.8	18.5	3.08	3,500	650
	10	7/1.35	4.05	0.7	1.8	21.0	1.83	3,500	970
8C	1.5	7/0.53	1.59	0.7	1.8	14.5	12.1	3,500	310
	2.5	7/0.67	2.01	0.7	1.8	16.0	7.41	3,500	400
	4	7/0.85	2.55	0.7	1.8	18.0	4.61	3,500	550
	6	7/1.04	3.12	0.7	1.8	19.5	3.08	3,500	740
	10	7/1.35	4.05	0.7	1.8	23.0	1.83	3,500	1,100
10C	1.5	7/0.53	1.59	0.7	1.8	17.0	12.1	3,500	380
	2.5	7/0.67	2.01	0.7	1.8	18.5	7.41	3,500	500
	4	7/0.85	2.55	0.7	1.8	20.5	4.61	3,500	690
	6	7/1.04	3.12	0.7	1.8	23.0	3.08	3,500	930
	10	7/1.35	4.05	0.7	1.8	26.5	1.83	3,500	1,400
12C	1.5	7/0.53	1.59	0.7	1.8	17.0	12.1	3,500	420
	2.5	7/0.67	2.01	0.7	1.8	19.0	7.41	3,500	570
	4	7/0.85	2.55	0.7	1.8	21.0	4.61	3,500	790
	6	7/1.04	3.12	0.7	1.8	23.5	3.08	3,500	1,060
	10	7/1.35	4.05	0.7	1.8	27.5	1.83	3,500	1,610
15C	1.5	7/0.53	1.59	0.7	1.8	18.5	12.1	3,500	500
	2.5	7/0.67	2.01	0.7	1.8	20.5	7.41	3,500	670
	4	7/0.85	2.55	0.7	1.8	23.0	4.61	3,500	940
	6	7/1.04	3.12	0.7	1.8	25.5	3.08	3,500	1,280
20C	1.5	7/0.53	1.59	0.7	1.8	21.0	12.1	3,500	630
	2.5	7/0.67	2.01	0.7	1.8	23.0	7.41	3,500	860
	4	7/0.85	2.55	0.7	1.8	26.0	4.61	3,500	1,220
	6	7/1.04	3.12	0.7	1.8	29.0	3.08	3,500	1,680
30C	1.5	7/0.53	1.59	0.7	1.8	24.0	12.1	3,500	880
	2.5	7/0.67	2.01	0.7	1.8	27.0	7.41	3,500	1,220
	4	7/0.85	2.55	0.7	1.8	30.5	4.61	3,500	1,750

6/10kV HF CO (Flame-Retardant)

6/10kV XLPE Insulated Halogen Free Flame Retardant Poly-Olefin Sheathed Power Cable



1. Conductor
2. Semi-Conductive Layer
3. XLPE
4. Semi-Conductive Layer
5. Copper Tape
6. Filler
7. Binder Tape
8. Sheath :Halogen Free Flame Retardant Poly-Olefin

APPLICATION

This cable is designed for the purpose of using in power distribution line, having excellent electrical, flame retardant.

COMPONENT

1. Conductor : Annealed Copper Wire(Compact circular)
2. Semi-Conductive Layer
3. XLPE
4. Semi-Conductive Layer
5. Copper Tape
6. Filler
7. Binder Tape
8. Sheath : Halogen Free Flame Retardant Poly-Olefin

Single Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
16	CC	4.7	3.4	1.5	20	1.150	21	460	300
25	CC	5.9	3.4	1.5	21	0.727	21	575	300
35	CC	6.9	3.4	1.6	22	0.524	21	710	300
50	CC	8.1	3.4	1.6	23	0.387	21	835	300
70	CC	9.8	3.4	1.7	25	0.268	21	1,075	300
95	CC	11.4	3.4	1.7	27	0.193	21	1,350	300
120	CC	12.9	3.4	1.8	28	0.153	21	1,625	300
150	CC	14.4	3.4	1.8	30	0.124	21	1,925	300
185	CC	15.9	3.4	1.9	32	0.0991	21	2,325	300
240	CC	18.3	3.4	2.0	35	0.0754	21	2,880	300
300	CC	20.5	3.4	2.0	37	0.0601	21	3,495	300
400	CC	23.2	3.4	2.2	40	0.0470	21	4,480	300
500	CC	26.4	3.4	2.2	43	0.0366	21	5,705	300
630	CC	30.2	3.4	2.3	48	0.0283	21	7,025	300

CC - Compact Circular

6/10kV HF CO (Flame-Retardant)

6/10kV XLPE Insulated Halogen Free Flame Retardant Poly-Olefin Sheathed Power Cable

Three Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm^2	No./mm	mm	mm	mm	mm	Ω/㎞	V/5min	kg/km	m
16	CC	4.7	3.4	2.1	39	1.150	21	1,490	300
25	CC	5.9	3.4	2.2	41	0.727	21	1,862	300
35	CC	6.9	3.4	2.3	43	0.524	21	2,270	300
50	CC	8.1	3.4	2.4	46	0.387	21	2,810	300
70	CC	9.8	3.4	2.5	50	0.268	21	3,465	300
95	CC	11.4	3.4	2.6	53	0.193	21	4,345	300
120	CC	12.9	3.4	2.7	57	0.153	21	5,225	300
150	CC	14.4	3.4	2.8	60	0.124	21	5,445	300
185	CC	15.9	3.4	2.9	64	0.0991	21	7,415	300
240	CC	18.3	3.4	3.1	69	0.0754	21	8,450	300
300	CC	20.5	3.4	3.3	74	0.0601	21	11,015	300

CC – Compact Circular

Fire Protection Cable

0.6/1kV Tray Heat Resistant Control and Signal Cable for Fire Service (TFR-3)
0.6/1kV Halogen Free Flame-Retardant Polyolefin Control and Signal Cable for Fire Service (NFR-3)
0.6/1kV Tray Flame Retardant Power Cable for Fire Service (TFR-8)
0.6/1kV Halogen Free Flame-Retardant Polyolefin Power Cable for Fire Service (NFR-8)

Fire Protection Cable

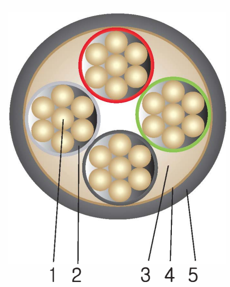
0.6/1kV Heat-Resistant Control and Signal Cable for Fire Emergence
0.6/1kV Tray Flame-Retardant for Fire Wire Service

APPLICATION

TFR-3 is used in signaling or telecommunication under D.C 100V fire alarm equipments, and TFR-8 is used mainly in wiring of fire plug system under 0.6/1kV grade.

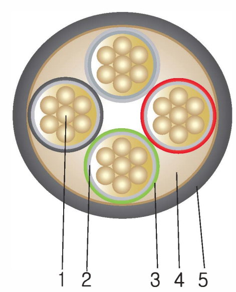
COMPONENT

1. Conductor : Annealed Copper Wire(Concentric Circular, Compact circular)
2. Fire Retardant Layer: Fire Retardant Tape(0.6/1KV TFR-8, NFR -8)
3. Insulation : XLPE
4. Core Identification : Colouring Method or Color Tape
   - 2Cores : Black, White
   - 3Cores : Black, White, Red
   - 4Cores : Black, White, Red, Green
   - 5Cores : Black, White, Red, Green, Yellow
5. Sheath : Flame-Retardant PVC
6. Above 5 Core : Colouring Method or Color Tape



TFR-3

1. Conductor
2. Insulation
3. Filler
4. Fire Protection Layer
5. Sheath



TFR-8

1. Conductor
2. Fire Resistence Layer
3. Insulation
4. Filler
5. Fire Protection Layer
6. Sheath

Fire Protection Cable

0.6/1kV Heat-Resistant Control and Signal Cable for Fire Energence
0.6/1kV Halogen Free Flame-Retardant Poly-Olefin Control and Signal Cable for Fire Service

0.6/1kV TFR-3, NFR-3

Number of Cores	Conductor: Nominal Sectional Area	Conductor: Number & Diameter	Conductor: Outer Diameter	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
	mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
Single	1.5	7/0.53	1.59	0.7	1.8	6.5	12.1	3,500	60	300
	2.5	7/0.67	2.01	0.7	1.8	7	7.41	3,500	75	300
	4	7/0.85	2.55	0.7	1.8	7.5	4.61	3,500	95	300
	6	7/1.04	3.12	0.7	1.8	8	3.08	3,500	115	300
	10	7/1.35	4.05	0.7	1.8	10	1.83	3,500	160	300
2	1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3,500	145	300
	2.5	7/0.67	2.01	0.7	1.8	12.5	7.41	3,500	175	300
	4	7/0.85	2.55	0.7	1.8	14.5	4.61	3,500	240	300
	6	7/1.04	3.12	0.7	1.8	15.5	3.08	3,500	295	300
	10	7/1.35	4.05	0.7	1.8	17.5	1.83	3,500	410	300
3	1.5	7/0.53	1.59	0.7	1.8	12	12.1	3,500	170	300
	2.5	7/0.67	2.01	0.7	1.8	13	7.41	3,500	215	300
	4	7/0.85	2.55	0.7	1.8	15.5	4.61	3,500	300	300
	6	7/1.04	3.12	0.7	1.8	16.5	3.08	3,500	375	300
	10	7/1.35	4.05	0.7	1.8	18.5	1.83	3,500	530	300
4	1.5	7/0.53	1.59	0.7	1.8	13	12.1	3,500	205	300
	2.5	7/0.67	2.01	0.7	1.8	14	7.41	3,500	255	300
	4	7/0.85	2.55	0.7	1.8	16.5	4.61	3,500	365	300
	6	7/1.04	3.12	0.7	1.8	18	3.08	3,500	465	300
	10	7/1.35	4.05	0.7	1.8	20	1.83	3,500	665	300
5	1.5	7/0.53	1.59	0.7	1.8	14	12.1	3,500	240	300
	2.5	7/0.67	2.01	0.7	1.8	15.5	7.41	3,500	305	300
	4	7/0.85	2.55	0.7	1.8	18	4.61	3,500	430	300
	6	7/1.04	3.12	0.7	1.8	19.5	3.08	3,500	560	300
	10	7/1.35	4.05	0.7	1.8	22	1.83	3,500	810	300
6	1.5	7/0.53	1.59	0.7	1.8	15	12.1	3,500	275	300
	2.5	7/0.67	2.01	0.7	1.8	16.5	7.41	3,500	350	300
	4	7/0.85	2.55	0.7	1.8	19	4.61	3,500	505	300
	6	7/1.04	3.12	0.7	1.8	21	3.08	3,500	660	300
	10	7/1.35	4.05	0.7	1.8	24	1.83	3,500	950	300
7	1.5	7/0.53	1.59	0.7	1.8	15	12.1	3,500	295	300
	2.5	7/0.67	2.01	0.7	1.8	16.5	7.41	3,500	380	300
	4	7/0.85	2.55	0.7	1.8	19	4.61	3,500	550	300
	6	7/1.04	3.12	0.7	1.8	21	3.08	3,500	720	300
	10	7/1.35	4.05	0.7	1.8	24	1.83	3,500	1,045	300
8	1.5	7/0.53	1.59	0.7	1.8	16	12.1	3,500	325	300
	2.5	7/0.67	2.01	0.7	1.8	17.5	7.41	3,500	430	300
	4	7/0.85	2.55	0.7	1.8	20.5	4.61	3,500	625	300
	6	7/1.04	3.12	0.7	1.8	22.5	3.08	3,500	815	300
	10	7/1.35	4.05	0.7	1.8	25.5	1.83	3,500	1,200	300
10	1.5	7/0.53	1.59	0.7	1.8	18.5	12.1	3,500	410	300
	2.5	7/0.67	2.01	0.7	1.8	20	7.41	3,500	535	300
	4	7/0.85	2.55	0.7	1.8	24	4.61	3,500	795	300
	6	7/1.04	3.12	0.7	1.8	26.5	3.08	3,500	1,035	300
	10	7/1.35	4.05	0.7	1.8	30	1.83	3,500	1,520	300
12	1.5	7/0.53	1.59	0.7	1.8	19	12.1	3,500	460	300
	2.5	7/0.67	2.01	0.7	1.8	20.5	7.41	3,500	605	300
	4	7/0.85	2.55	0.7	1.8	25	4.61	3,500	895	300
	6	7/1.04	3.12	0.7	1.8	27	3.08	3,500	1,195	300
	10	7/1.35	4.05	0.7	1.8	31.5	1.83	3,500	1,765	300
15	1.5	7/0.53	1.59	0.7	1.8	20.5	12.1	3,500	535	300
	2.5	7/0.67	2.01	0.7	1.8	22	7.41	3,500	705	300
	4	7/0.85	2.55	0.7	1.8	26.5	4.61	3,500	1,085	300
	6	7/1.04	3.12	0.7	1.8	29.5	3.08	3,500	1,435	300
20	1.5	7/0.53	1.59	0.7	1.8	22.5	12.1	3,500	675	300
	2.5	7/0.67	2.01	0.7	1.9	24.5	7.41	3,500	905	300
	4	7/0.85	2.55	0.7	1.8	29.5	4.61	3,500	1,385	300
	6	7/1.04	3.12	0.7	1.8	33	3.08	3,500	1,850	300
25	1.5	7/0.53	1.59	0.7	1.8	25	12.1	3,500	815	300
	2.5	7/0.67	2.01	0.7	1.8	27.5	7.41	3,500	1,120	300
	4	7/0.85	2.55	0.7	1.9	34	4.61	3,500	1,710	300
30	1.5	7/0.53	1.59	0.7	1.8	26.5	12.1	3,500	945	300
	2.5	7/0.67	2.01	0.7	1.8	29	7.41	3,500	1,305	300
	4	7/0.85	2.55	0.7	1.8	36	4.61	3,500	1,995	300

Fire Protection Cable

0.6/1kV Tray Flame-Retardant for Fire Wire Service
0.6/1kV Halogen Free Flame-Retardant Poly-Olefin Power Cable for Fire Service

0.6/1 kV TFR-8, NFR-8 Single Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.4	7	12.1	3,500	60	300
2.5	7/0.67	2.01	0.7	1.4	7.5	7.41	3,500	75	300
4	7/0.85	2.55	0.7	1.4	8	4.61	3,500	95	300
6	7/1.04	3.12	0.7	1.4	9	3.08	3,500	115	300
10	7/1.35	4.05	0.7	1.4	10	1.83	3,500	160	300
16	CC	4.7	0.7	1.4	11	1.15	3,500	220	300
25	CC	5.9	0.9	1.4	13	0.727	3,500	320	300
35	CC	6.9	0.9	1.4	14	0.524	3,500	420	300
50	CC	8.1	1.0	1.4	15	0.387	3,500	565	300
70	CC	9.8	1.1	1.4	17	0.268	3,500	750	300
95	CC	11.4	1.1	1.5	19	0.193	3,500	1,005	300
120	CC	12.9	1.2	1.5	21	0.153	3,500	1,260	300
150	CC	14.4	1.4	1.6	23	0.124	3,500	1,560	300
185	CC	15.9	1.6	1.6	25	0.0991	3,500	1,935	200
240	CC	18.3	1.7	1.7	28	0.0754	3,500	2,455	200
300	CC	20.5	1.8	1.8	30	0.0601	3,500	3,065	200
400	CC	23.2	2.0	1.9	34	0.0470	3,500	3,995	150
500	CC	26.4	2.2	2.0	38	0.0366	3,500	4,840	150
630	CC	30.2	2.4	2.2	42	0.0283	3,500	6,540	150

CC - Compact Circular

Two Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3,500	130	300
2.5	7/0.67	2.01	0.7	1.8	13	7.41	3,500	160	300
4	7/0.85	2.55	0.7	1.8	15	4.61	3,500	210	300
6	7/1.04	3.12	0.7	1.8	16	3.08	3,500	260	300
10	7/1.35	4.05	0.7	1.8	18	1.83	3,500	365	300
16	CC	4.7	0.7	1.8	19	1.15	3,500	490	300
25	CC	5.9	0.9	1.8	22	0.727	3,500	720	300
35	CC	6.9	0.9	1.8	24	0.524	3,500	940	300
50	CC	8.1	1.0	1.8	27	0.387	3,500	1,255	300
70	CC	9.8	1.1	1.8	31	0.268	3,500	1,665	300
95	CC	11.4	1.1	1.9	35	0.193	3,500	2,220	300
120	CC	12.9	1.2	2.0	38	0.153	3,500	2,770	300
150	CC	14.4	1.4	2.2	42	0.124	3,500	3,440	300
185	CC	15.9	1.6	2.3	47	0.0991	3,500	4,275	200
240	CC	18.3	1.7	2.5	52	0.0754	3,500	5,454	200
300	CC	20.5	1.8	2.6	57	0.0601	3,500	6,800	200

CC - Compact Circular

Fire Protection Cable

0.6/1kV Tray Flame-Retardant for Fire Wire Service
0.6/1kV Halogen Free Flame-Retardant Poly-Olefin Power Cable for Fire Service

Three Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	13	12.1	3,500	155	300
2.5	7/0.67	2.01	0.7	1.8	14	7.41	3,500	190	300
4	7/0.85	2.55	0.7	1.8	15	4.61	3,500	255	300
6	7/1.04	3.12	0.7	1.8	16	3.08	3,500	330	300
10	7/1.35	4.05	0.7	1.8	19	1.83	3,500	470	300
16	CC	4.7	0.7	1.8	20	1.15	3,500	650	300
25	CC	5.9	0.9	1.8	23	0.727	3,500	970	300
35	CC	6.9	0.9	1.8	26	0.524	3,500	1,280	300
50	CC	8.1	1.0	1.8	29	0.387	3,500	1,725	300
70	CC	9.8	1.1	1.9	33	0.268	3,500	2,320	300
95	CC	11.4	1.1	2.0	37	0.193	3,500	3,105	300

CC - Compact Circular

Four Core

Conductor			Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Max. Conductor Resistance at 20 ℃	Test Voltage	Approx Weight	Standard Length
Nominal Sectional Area	Number & Diameter	Outer Diameter							
mm²	No./mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km	m
1.5	7/0.53	1.59	0.7	1.8	14	12.1	3,500	180	300
2.5	7/0.67	2.01	0.7	1.8	15	7.41	3,500	235	300
4	7/0.85	2.55	0.7	1.8	16	4.61	3,500	305	300
6	7/1.04	3.12	0.7	1.8	18	3.08	3,500	405	300
10	7/1.35	4.05	0.7	1.8	20	1.83	3,500	590	300
16	CC	4.7	0.7	1.8	22	1.15	3,500	820	300
25	CC	5.9	0.9	1.8	26	0.727	3,500	1,245	300
35	CC	6.9	0.9	1.8	28	0.524	3,500	1,645	300
50	CC	8.1	1.0	1.9	32	0.387	3,500	2,240	300
70	CC	9.8	1.1	2.0	37	0.268	3,500	3,020	300
95	CC	11.4	1.1	2.1	41	0.193	3,500	4,060	300

CC - Compact Circular

Bare Copper Cable & ACSR

Hard-drawn Copper Stranded Wire for Electrical Purpose (HS)
Class 2 Annealed Copper Stranded Wire for Electrical Purpose (AS)
Aluminium Conductor Steel Reinforced (ACSR)

Bare Copper & Aluminium Cable

Hard-Drawn Copper Stranded Wire for Electrical Purpose

For General Transmission Purpose

KS C 3104

Nominal Sectional Area	Number & Diameter of Wire	Calculated Section Area	Overall Diameter	Weight	Max. Conductor Resistance at 20℃	Min. Tensile Load	Length	Weight
mm^2	No./mm	mm^2	mm	kg/km	Ω/km	kgf	m/reel	kg/reel
500	61/3.2	490.6	28.8	4,448	0.0370	19,300	300	1,630
400	61/2.9	402.9	26.1	3,654	0.0450	15,900	300	1,310
325	61/2.6	323.8	23.4	2,937	0.0560	12,900	300	1,070
250	61/2.3	253.5	20.7	2,298	0.0715	10,200	500	1,280
200	37/2.6	196.4	18.2	1,776	0.0920	7,830	500	1,020
150	37/2.3	153.7	16.1	1,390	0.118	6,160	600	945
125	19/2.9	125.5	14.5	1,129	0.143	4,960	600	765
100	19/2.6	100.9	13.0	907.6	0.178	4,020	600	625
80	19/2.3	78.95	11.5	710.3	0.228	3,160	1,000	795
60	19/2.0	59.70	10.0	537.0	0.301	2,410	1,000	605
50	19/1.8	48.36	9.0	435.1	0.376	1,970	1,000	480
35	7/2.6	37.16	7.8	334.4	0.484	1,480	300	-
30	7/2.3	29.09	6.9	261.7	0.618	1,170	300	-
22	7/2.0	21.99	6.0	197.9	0.818	888	300	-
14	7/1.6	14.08	4.8	126.7	1.29	574	500	-
8.0	7/1.2	7.917	3.6	71.19	2.30	326	500	-
5.5	7/1.0	5.498	3.0	49.46	3.31	227	500	-
3.5	7/0.8	3.519	2.4	31.66	5.17	146	500	-
2.0	7/0.6	1.979	1.8	17.80	9.18	83	500	-

For Overhead Transmission Purpose

KS C 3104

Nominal Sectional Area	Number & Diameter of Wire	Calculated Section Area	Overall Diameter	Weight	Max. Conductor Resistance at 20℃	Min. Tensile Load	Length	Weight
mm^2	No./mm	mm^2	mm	kg/km	Ω/km	kgf	m/reel	kg/reel
200	19/3.7	204.3	18.5	1,838	0.0880	7,900	700	1,430
180	19/3.5	182.8	17.5	1,645	0.0984	7,130	800	1,490
150	19/3.2	152.8	16.0	1,375	0.118	6,000	1,000	1,550
125	19/2.9	125.5	14.5	1,129	0.143	4,960	1,000	1,250
100	7/4.3	101.6	12.9	914.5	0.177	3,880	600	625
75	7/3.7	75.25	11.1	677.0	0.239	2,910	700	545
55	7/3.2	56.29	9.6	506.4	0.320	2,210	1,000	575
45	7/2.9	46.24	8.7	416.0	0.389	1,830	1,000	465
38	7/2.6	37.16	7.8	334.4	0.484	1,480	1,000	380
30	7/2.3	29.09	6.9	261.7	0.618	1,170	1,200	355
22	7/2.0	21.99	6.0	197.9	0.818	888	1,200	275

Bare Copper & Aluminium Cable

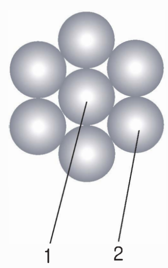
Annealed Copper Stranded Wire for Electrical Purpose

KS C 3103 KS C IEC 60228

Nominal Sectional Area	Number & Diameter of Wire	Calculated Section Area	Overall Diameter	Max. Conductor Resistance at 20℃	Weight	Standard Length
mm^2	No./mm	mm^2	mm	Ω/km	kg/km	m
630	127/2.52	633.43	32.76	0.0283	5,585	300
500	61/3.20	490.59	28.80	0.0366	4,327	300
400	61/2.85	389.14	25.65	0.0470	3,369	300
300	61/2.52	304.24	22.68	0.0601	2,640	300
240	61/2.25	242.54	20.25	0.0754	2,105	300
185	37/2.52	184.54	17.64	0.0991	1,602	500
150	37/2.25	147.12	15.75	0.124	1,280	600
120	37/2.03	119.75	14.21	0.153	1,040	600
95	19/2.52	94.76	12.60	0.193	825	600
70	19/2.14	68.34	10.70	0.268	596	1,000
50	19/1.78	47.28	8.90	0.387	412	1,000
35	7/2.52	34.91	7.56	0.524	304	1,000
25	7/2.14	25.18	6.42	0.727	219	300
16	7/1.70	15.89	5.10	1.15	138	300
10	7/1.35	10.02	4.05	1.83	90	500
6	7/1.04	5.95	3.12	3.08	54	500
4	7/0.85	3.97	2.55	4.61	36	500
2.5	7/0.67	2.47	2.01	7.41	23	500
1.5	7/0.53	1.54	1.59	12.1	14	500

Bare Copper & Aluminium Cable

Aluminium Stranded Conductors Steel Reinforced(ACSR)



ACSR

1. Zinc-Coated Steel Wire
2. Hard Drawn-Aluminium Wire

APPLICATION

This wire is used for voltage overhead trasmission line.

COMPONENT

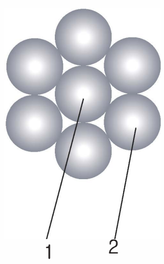
1. Conductor : – Zinc-Coated Steel Wire
   – Hard-Drawn Aluminium Wire
2. Certificate : Korean Industrial Standards

■ ACSR : Aluminium Conductor Steel Reinforced

Nominal Sectional Area	Number & Diameter of Wire		Overall Diameter	Min. Tensile Load	Allowable current	Weight	Electrical resistance	Standard Length
	AL	St						
mm²	mm	mm	mm	kgf	A	kg/km	Ω/km	m
19	3/2.0	1/2.0	6	698	111	76.1	1.52	1000
32	6/2.6	1/2.6	7.8	1140	156	128.6	0.899	1000
58	6/3.5	1/3.5	10.5	1980	227	233.1	0.497	1000
80	6/4.2	1/4.2	12.6	2770	286	335.5	0.345	1000
95	6/4.5	1/4.5	13.5	3180	313	385.2	0.301	1300
*97	12/3.2	7/3.2	16	10600	328	708.9	0.301	1000
*120	12/3.5	7/3.5	17.5	9590	388	845.9	0.25	2000
120	30/2.3	7/2.3	16.1	5550	388	573.7	0.233	1300
160	30/2.6	7/2.6	18.2	6990	454	732.8	0.182	1900
200	30/2.9	7/2.9	20.3	8620	521	911.7	0.147	1400
240	30/3.2	7/3.2	22.4	10210	593	1,110	0.12	1400
330	26/4.0	7/3.1	25.3	10930	712	1,320	0.0888	1000
410	26/4.5	7/3.5	28.5	13890	828	1,673	0.0702	1000
*480(Rail)	45/3.7	7/2.47	29.6	11800	891	1,599	0.0599	2000
520	54/3.5	7/3.5	31.5	15600	909	1,969	0.0559	1000
610	54/3.8	7/3.8	34.2	18150	1,043	2,320	0.0474	1000
*480(Cardinal)	54/3.38	7/3.38	30.42	15300	899	1,836	0.0599	1000, 2000

Bare Copper & Aluminium Cable

Aluminium Stranded Conductors Steel Reinforced(ACSR/AW)



ACSR/AW
1. Aluminium-Clad Steel Wire
2. Hard Drawn-Aluminium Wire

APPLICATION

This wire is used for voltage overhead trasmission line.

COMPONENT

1. Conductor : Aluminium-Clad Steel Wire
   Hard-Drawn Aluminium
2. Certificate : ES 6145-0020

■ ACSR/AW : Aluminium Conductors Aluminium-Clad Steel Reinforced)

Nominal Sectional Area	Number & Diameter of Wire		Overall Diameter	Min. Tensile Load	Allowable current	Weight	Electrical resistance	Straded Length
	AL	St						
mm^2	mm	mm	mm	kgf	A	kg/km	Ω/km	m
32	6/2.6	1/2.6	7.8	1140	160	120.6	0.852	1000
58	6/3.5	1/3.5	10.5	1980	233	299.7	0.471	1000
65	12/2.6	7/2.6	13	5415	275	401	0.38	1000, 2000
95	6/4.5	1/4.5	13.5	3180	321	362	0.285	1000, 2000
97	12/3.2	7/3.2	16	10600	331	608	0.295	1000, 2000
120	12/3.5	7/3.5	17.5	9590	402	737	0.21	1000, 2000
160	30/2.6	7/2.6	18.2	6990	471	676.4	0.169	1000, 2000
240	30/3.2	7/3.2	22.4	10210	616	1,024	0.111	1000, 2000
330	26/4.0	7/3.1	25.3	10930	731	1,239	0.0842	1000, 2000
410	26/4.5	7/3.5	28.5	13890	850	1,578	0.0665	1000, 2000
480(Rail)	45/3.7	7/2.47	29.61	11800	900	1,544	0.0586	1000, 2000
520	54/3.5	7/3.5	31.5	15600	959	1,848	0.0536	1000, 2000
480(Cardinal)	54/3.38	7/3.38	30.42	15300	918	1,760	0.0574	1000, 2000

Trolley /Messenger/ Dropper Wire

Trolley /Messenger/ Dropper Wire

Trolley /Messenger/ Dropper Wire

Trolley Wire for Electrical Purpose

1. Application Scope applied
   This standard is applied to Hard-drawn Copper Round Trolley Wire of overhead trolley line.

2. Classification
   It is classified as per trolley wire table.

Class	Standard
Round–type	CU 110㎟
Round–type	CU 170㎟
Grooved–type	CU 110㎟
Grooved–type	CU 170㎟
Deformed–type	CU 150㎟

※ The above specifications are based on Korea Railways Standards.

Trolley Wire

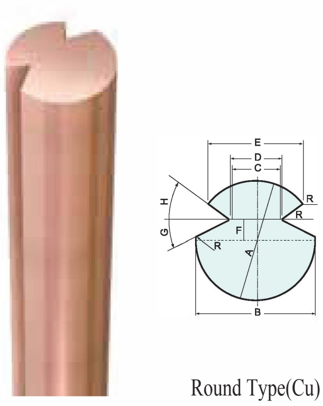
Round-Type(Cu)

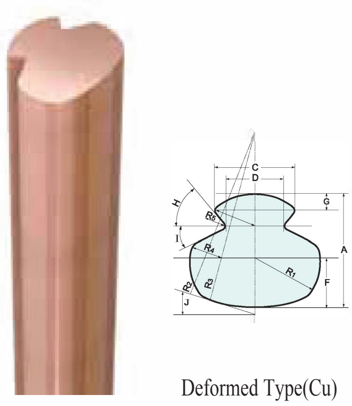
To be used for overhead power supply line of electric railways except the underground area.

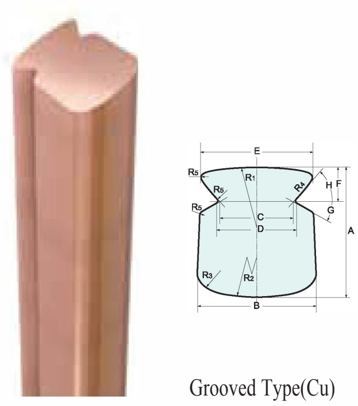
Construction

*Materal : Hard drawn Copper
*Standard: Korean Railway Standards

Nominal Sectional Area	Min Cunductivity at 20 ℃	Min Tensile Load	Min Elogation	Approx Weight	Calculated Section Area	A	B	C	D	E	F	R	G	H
mm²	%	kgf	250mm %	kg/km	mm²	mm	mm	mm	mm	mm	mm	mm	(°)	(°)
110	97.5	3,900	3.0	987.7	111.1	12.34	12.34	6.85	7.27	9.75	1.7	0.38	27	51
170	97.5	5,900	3.4	1511.3	170	15.49	15.49	7.32	7.74	11.43	2.4	0.38	27	51


Round Type(Cu)


Deformed Type(Cu)


Grooved Type(Cu)

Trolley /Messenger/ Dropper Wire

Trolley Wire for Electrical Purpose

Trolley Wire

Grooved-Type(Cu)

To be used for overhead power supply line of electric railways except the underground area.

Construction

*Materal : Hard drawn Copper

*Standard: Korean Railway Standards

Nominal Sectional Area	Min Conductivity at 20 ℃	Min Tensile Load	Min Elongation	Approx Weight	Calculated Section Area	A	B	C	D	E	F	G	R1	R2	R3	R4	R5	R6	H	I	J
mm²	%	kgf	250mm %	kg/km	mm²	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(。)	(。)	(。)
150	97.5	5,300	3~8	1333.5	150	13.6 ± 0.2	15.1 ± 0.2	9.852	6.92 ± 0.15	5.18	5.36	3.9	7.55 ± 0.1	20 ± 0.15	1	0.45	0.38	0.38	51	27	15

Trolley Wire

Deformed-Type(Cu)

To be used for overhead power supply line of electric railways except the underground area.

Construction

*Materal : Hard drawn Copper

*Standard: Korean Railway Standards

Nominal Sectional Area	Min Conductivity at 20 ℃	Min Tensile Load	Min Elongation	Approx Weight	A	B	C	D	E	F	R1	R2	R3	R4	R5	G	H
mm²	%	kgf	250mm %	kg/km	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(。)	(。)
110	97.5	3,900	3.0	987.7	11.7	10.9	6.85	7.27	9.6	3.0	30	20	2.5	0.75	0.38	27	51
170	97.5	5,900	3.4	1511.3	11.7	10.9	6.85	7.27	9.6	3.0	30	20	2.5	0.75	0.38	27	51

Trolley /Messenger/ Dropper Wire

Messenger Wire for Electrical Purpose

1. To be used for support to overhead power supply line of electric railways.

2.1 Material : CuMg

Nominal Sectional Area	Calculated Section Area	Number of Wire	Diameter		Approx. Weight	Min. Breaking Load	Max. Electric Resistance at 20℃	Min Conductivity at 20℃
			Wire Diameter	Outer Diameter				
mm²	mm²	No./mm	m	m	kg/km	N	Ω/km	%
65	65.38	37	1.50	10.5	602	45,500	0.462	60%

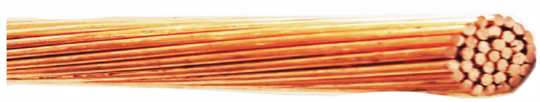
2.2 Material : CuCd

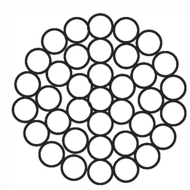
Nominal Sectional Area	Calculated Section Area	Number of Wire	Diameter		Approx. Weight	Min. Breaking Load	Max. Electric Resistance at 20℃	Min Conductivity at 20℃
			Wire Diameter	Outer Diameter				
mm²	mm²	No./mm	m	m	kg/km	N	Ω/km	%
70	65.86	19	2.1	1.5	597	36.,010	0.3398	80%
80	78.95	19	2.3	11.5	710	43,930	0.2760	
95	93.30	19	2.5	12.5	847	51,190	0.239	

To be used for support to overhead power supply line of electric railways

Construction

*Materal : Copper Magnesium Alloy
*Standard: Korean Railway Standards
Purchasing Specification
of Korea Rail Network Authority





Dropper Wire for Electrical Purpose

1. To be used for support between trolley wire and messenger wire of electric railways.

2.1 Material : CuMg

Nominal Sectional Area	Calculated Section Area	Number of Wire	Diameter		Approx. Weight	Min. Breaking Load	Max. Electric Resistance at 20℃	Min Conductivity at 20℃
			Wire Diameter	Outer Diameter				
mm²	mm²	No./mm	m	m	kg/km	N	Ω/km	%
12	11.95	6×7 1×7	0.54 0.65	5.0	103	7,650	2.10	80%

2.2 Material : CuCd

Nominal Sectional Area	Calculated Section Area	Number of Wire	Diameter		Approx. Weight	Min. Breaking Load	Max. Electric Resistance at 20℃	Min Conductivity at 20℃
			Wire Diameter	Outer Diameter				
mm²	mm²	No./mm	m	m	kg/km	N	Ω/km	%
10	9.93	7×7	0.508	4.57	89.8	6,050	2.28	80%

To be used for support between trolley wire and messenger wire of electric railways

Construction

*Materal : Copper Magnesium Alloy
*Standard: Korean Railway Standards