LS Cable
Leading Solution

LS Electric Wire & Cable

Control Cable & Instrumentation Cable

Leading Solution

LG Cable, LG Industrial Systems and LG-Nikko Copper,
Gaon Cable, E1 and Yesco City Gas are starting with
a new name, Leading Solution, LS.

New Dream, New Start

To become a leader in the competitive global market, LG has been divided into three groups, electronics and chemicals for LG, energy and distribution for GS, Industrial electric · electronics and material for LS based on their business specialties.

LS' main companies, such as LS cable, LS industrial systems, LS-Nikko copper, Gaon cable, E1 and Yesco, are ranked as No.1 in their respective industry. However, LS won't just sit back, satisfied with being the best in Korea. We will pave the way for becoming the world's best in industrial electric · electronics and material industry with the new CI, LS.

Your good partner LG Cable is making a fresh start as LS Cable

LS Cable is No. 1 cable maker in Korea and its business fields are telecommunication, electric power, components & materials and machinery. Also, LS Cable is creating new businesses particularly in component and materials industry. LS Cable makes its best to accomplish the vision, 'Your No.1 Creative Partner' and be one of the world leaders with high technology and best level of service.

450 / 750V HIV

450 / 750V High Heat-Resistant PVC Insulated Wire

Application

Type HIV(IEC 90°C) is used for wiring inside of house and building at max. conductor temperature 90°C

Standard

KS C 3328 : 600V Heat-Resistant PVC insulated wires

IEC 60227-3 : Non-Sheathed cables for fixed wiring

Construction

Color

450 / 750V HIV

Nominal Area	Insulation Thiclcness	Approx.Ovevall Diameter		D.C Conductor Resistance (20°C)	Insulation Resistance (20°C)	Test Voltage	Approx. Weight
		Minimum	Minimum				
mm^2	mm	mm	mm	Ω / km	MΩ .km	kV	kg / km
1.5	0.7	2.6	3.2	12.1	0.011	2.5	20
1.5	0.7	2.7	3.3	12.1	0.010	2.5	20
2.5	0.8	3.2	3.9	7.41	0.009	2.5	40
2.5	0.8	3.3	4.0	7.41	0.009	2.5	40
4	0.8	3.6	4.4	4.61	0.0085	2.5	50
4	0.8	3.8	4.6	4.61	0.0077	2.5	50
6	0.8	4.1	5.0	3.08	0.0070	2.5	70
6	0.8	4.3	5.2	3.08	0.0065	2.5	70
10	1.0	5.3	6.4	1.83	0.0070	2.5	120
10	1.0	5.6	6.7	1.83	0.0065	2.5	120
16	1.0	6.4	7.8	1.15	0.0050	2.5	170
25	1.2	8.1	9.7	0.727	0.0050	2.5	260
35	1.2	9.0	10.9	0.524	0.0043	2.5	350
50	1.4	10.6	12.8	0.387	0.0043	2.5	480
70	1.4	12.1	14.6	0.268	0.0035	2.5	670
95	1.6	14.1	17.1	0.193	0.0035	2.5	920
120	1.6	15.6	18.8	0.153	0.0032	2.5	1,160
150	1.8	17.3	20.9	0.124	0.0032	2.5	1,430
185	2.0	19.3	23.3	0.0991	0.0032	2.5	1,780
240	2.2	22.0	26.6	0.0754	0.0032	2.5	2,320
300	2.4	24.5	29.6	0.0601	0.0030	2.5	2,930
400	2.6	27.5	33.2	0.0470	0.0028	2.5	3,730

450 / 750V KIV

450 / 750V Insulated Flexible Wire

Application

Type KIV is suitable for wiring on panel boards, switchboards and control apparatus at max conductor temperature at 70°C

Standard

KS C 3325 : 600V PVC insulated wires for electrical apparatus

IEC 60227-3 : Non-Sheathed cables for fixed wiring

Construction

Color

450 / 750V KIV

Conductor			Insulation Thiclcness	Approx.Ovevall Diameter		Approx.Ovevall Diameter(20°C)		Insulation Resistance (70°C)	Approx. Weight
Nominal Area	Max.Wire diameter	Diameter		Minimum	Maximum	Non Plated	Plated		
mm^2	mm	mm	mm	mm	mm	Ω / km	Ω / km	MΩ .km	kg / km
1.5	0.26	1.6	0.7	2.8	3.4	13.3	13.7	0.010	30
2.5	0.26	2.1	0.8	3.4	4.1	7.98	8.21	0.009	40
4	0.31	2.6	0.8	3.9	4.8	4.95	5.09	0.007	50
6	0.31	3.6	0.8	4.4	5.3	3.30	3.39	0.006	80
10	0.41	4.8	1.0	5.7	6.8	1.91	1.95	0.0056	130
16	0.41	6.0	1.0	6.7	8.1	1.21	1.24	0.0046	180
25	0.41	7.4	1.2	8.4	10.2	0.780	0.795	0.0044	280
35	0.41	8.7	1.2	9.7	11.7	0.554	0.565	0.0038	370
50	0.41	10.4	1.4	11.5	13.9	0.386	0.393	0.0037	500
70	0.51	12.5	1.4	13.2	16.0	0.272	0.277	0.0032	700
95	0.51	14.5	1.6	15.1	18.2	0.206	0.210	0.0032	970
120	0.51	16.2	1.6	16.7	20.2	0.161	0.164	0.0029	1,200
150	0.51	18.2	1.8	18.6	22.5	0.129	0.132	0.0029	1,490
185	0.51	20.2	2.0	20.6	24.9	0.106	0.108	0.0029	1,850
240	0.51	23.3	2.2	23.5	28.4	0.0801	0.0817	0.0028	2,440

0.6 / 1kV CV, 0.6 / 1kV CE

0.6 / 1kV XLPE Insulated and PVC Sheathed Power Cable (CV)
0.6 / 1kV XLPE Insulated and PE Sheathed Power Cable (CE)

Application

Type CV, CE is used for lighting and power in residential, commercial and industrial distribution line

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

Construction

Core Identification

0.6 / 1kV CV&CE (Single Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight	
Nominal Area	Strand Composition	Diameter						PVC Sheath	PE Sheath
mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km	kg / km
1.5	7/0.53	1.59	0.7	1.4	6.3	12.1	3.5	50	40
2.5	7/0.67	2.01	0.7	1.4	6.7	7.41	3.5	70	55
4	7/0.85	2.55	0.7	1.4	7.2	4.61	3.5	90	70
6	7/1.04	3.12	0.7	1.4	7.8	3.08	3.5	110	90
10	7/1.35	4.05	0.7	1.4	9.4	1.83	3.5	170	150
16	*	4.7	0.7	1.4	10.0	1.15	3.5	210	180
25	*	5.9	0.9	1.4	12.0	0.727	3.5	310	280
35	*	6.9	0.9	1.4	13.0	0.524	3.5	400	370
50	*	8.1	1.0	1.4	14.5	0.387	3.5	520	480
70	*	9.8	1.1	1.4	16.0	0.268	3.5	720	680
95	*	11.4	1.1	1.5	18.5	0.193	3.5	970	920
120	*	12.9	1.2	1.5	20	0.153	3.5	1,210	1,150
150	*	14.4	1.4	1.6	22	0.124	3.5	1,490	1,420
185	*	15.9	1.6	1.6	24	0.0991	3.5	1,840	1,770
240	*	18.3	1.7	1.7	27	0.0754	3.5	2,400	2,310
300	*	20.5	1.8	1.8	30	0.0601	3.5	2,980	2,880
400	*	23.2	2.0	1.9	34	0.0470	3.5	3,800	3,680
500	*	26.4	2.2	2.0	37	0.0366	3.5	4,850	4,710
630	*	30.2	2.4	2.2	42	0.0283	3.5	6,240	6,060

* Compacted

0.6 / 1kV CV&CE (2 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight	
Nominal Area	Strand Composition	Diameter						PVC Sheath	PE Sheath
mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km	kg / km
1.5	7/0.53	1.59	0.7	1.8	11.0	12.1	3.5	120	90
2.5	7/0.67	2.01	0.7	1.8	12.0	7.41	3.5	150	120
4	7/0.85	2.55	0.7	1.8	13.0	4.61	3.5	190	160
6	7/1.04	3.12	0.7	1.8	14.0	3.08	3.5	240	210
10	7/1.35	4.05	0.7	1.8	17.0	1.83	3.5	330	290
16	*	4.7	0.7	1.8	18.5	1.15	3.5	450	400
25	*	5.9	0.9	1.8	22.0	0.727	3.5	660	600
35	*	6.9	0.9	1.8	24.0	0.524	3.5	880	820
50	*	8.1	1.0	1.8	27	0.387	3.5	1,150	1,080
70	*	9.8	1.1	1.8	31	0.268	3.5	1,610	1,520
95	*	11.4	1.1	1.9	35	0.193	3.5	2,170	2,070
120	*	12.9	1.2	2.0	38	0.153	3.5	2,670	2,550
150	*	14.4	1.4	2.2	43	0.124	3.5	3,310	3,160
185	*	15.9	1.6	2.3	47	0.0991	3.5	4,110	3,940
240	*	18.3	1.7	2.5	53	0.0754	3.5	5,340	5,130
300	*	20.5	1.8	2.6	58	0.0601	3.5	6,630	6,380

* Compacted circular

0.6 / 1kV CV&CE (3 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight	
Nominal Area	Construction	Diameter						PVC Sheath	PE Sheath
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km	kg / km
1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3.5	150	120
2.5	7/0.67	2.01	0.7	1.8	12.5	7.41	3.5	180	150
4	7/0.85	2.55	0.7	1.8	13.5	4.61	3.5	240	210
6	7/1.04	3.12	0.7	1.8	14.5	3.08	3.5	310	280
10	7/1.35	4.05	0.7	1.8	18.0	1.83	3.5	450	410
16	*	4.7	0.7	1.8	19.5	1.15	3.5	610	560
25	*	5.9	0.9	1.8	23	0.727	3.5	900	840
35	*	6.9	0.9	1.8	25	0.524	3.5	1,210	1,140
50	*	8.1	1.0	1.8	29	0.387	3.5	1,560	1,480
70	*	9.8	1.1	1.9	33	0.268	3.5	2,200	2,100
95	*	11.4	1.1	2.0	37	0.193	3.5	2,970	2,850
120	*	12.9	1.2	2.1	41	0.153	3.5	3,790	3,640
150	*	14.4	1.4	2.3	46	0.124	3.5	4,670	4,500
185	*	15.9	1.6	2.4	50	0.0991	3.5	5,830	5,630
240	*	18.3	1.7	2.6	57	0.0754	3.5	7,580	7,330
300	*	20.5	1.8	2.7	62	0.0601	3.5	9,400	9,110

* Compacted circular

0.6 / 1kV CV&CE (4 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight	
Nominal Area	Construction	Diameter						PVC Sheath	PE Sheath
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km	kg / km
1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3.5	170	140
2.5	7/0.67	2.01	0.7	1.8	13.5	7.41	3.5	220	190
4	7/0.85	2.55	0.7	1.8	14.5	4.61	3.5	290	260
6	7/1.04	3.12	0.7	1.8	16.0	3.08	3.5	380	340
10	7/1.35	4.05	0.7	1.8	20	1.83	3.5	570	530
16	*	4.7	0.7	1.8	22	1.15	3.5	790	730
25	*	5.9	0.9	1.8	26	0.727	3.5	1,180	1,110
35	*	6.9	0.9	1.8	28	0.524	3.5	1,550	1,480
50	*	8.1	1.0	1.9	32	0.387	3.5	2,060	1,970
70	*	9.8	1.1	2.0	36	0.268	3.5	2,930	2,820
95	*	11.4	1.1	2.1	42	0.193	3.5	3,970	3,830
120	*	12.9	1.2	2.3	46	0.153	3.5	4,980	4,810
150	*	14.4	1.4	2.4	51	0.124	3.5	6,130	5,940
185	*	15.9	1.6	2.6	56	0.0991	3.5	7,660	7,430
240	*	18.3	1.7	2.8	63	0.0754	3.5	9,960	9,670
300	*	20.5	1.8	3.0	70	0.0601	3.5	12,380	12,040

* Compacted circular

6 / 10kV CV, 6 / 10kV CE

6 / 10kV XLPE Insulated and PVC Sheathed Cable (CV)
6 / 10kV XLPE Insulated and PE Sheathed Cable (CE)

Application

Type CV, CE is used for power and distribution circuits in industrial and commercial installation
It may be installed in conduit, duct, open tray or directly buried

Standard

IEC 60502-2 : Power Cables with extruded insulation and their accessories for rated voltages from 1kv (Um = 1.2kV) up to 30kV (Um = 36kV) - Part2 : Cables for rated voltages from 6kV (Um = 7.2kV) up to 30kV (Um = 36kV)

Construction

Separator : A polyester tape or semi-conducting tape may be applied on the conductor

Core Identification

6 / 10kV CV&CE (Single Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight	
Nominal Area	Construction	Diameter						CV	CE
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km	kg / km
16	*	4.7	3.4	1.5	20	1.15	21	460	420
25	*	5.9	3.4	1.5	21	0.727	21	570	530
35	*	6.9	3.4	1.6	22	0.524	21	700	650
50	*	8.1	3.4	1.6	23	0.387	21	840	790
70	*	9.8	3.4	1.7	25	0.268	21	1,100	1,050
95	*	11.4	3.4	1.7	27	0.193	21	1,380	1,320
120	*	12.9	3.4	1.8	28	0.153	21	1,660	1,600
150	*	14.4	3.4	1.8	30	0.124	21	1,950	1,880
185	*	15.9	3.4	1.9	32	0.0991	21	2,360	2,280
240	*	18.3	3.4	2.0	35	0.0754	21	3,010	2,920
300	*	20.5	3.4	2.0	37	0.0601	21	3,650	3,550
400	*	23.2	3.4	2.2	40	0.0470	21	4,520	4,410
500	*	26.4	3.4	2.2	43	0.0366	21	5,650	5,530
630	*	30.2	3.4	2.3	48	0.0283	21	7,230	7,090

* Compacted circular

6 / 10kV CV&CE (3C Collective Sheath type)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight	
Nominal Area	Construction	Diameter						CV	CE
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km	kg / km
16	*	4.7	3.4	2.1	39	1.15	21	1,520	1,410
25	*	5.9	3.4	2.2	41	0.727	21	1,930	1,810
35	*	6.9	3.4	2.3	43	0.524	21	2,320	2,190
50	*	8.1	3.4	2.4	46	0.387	21	2,810	2,670
70	*	9.8	3.4	2.5	50	0.268	21	3,600	3,440
95	*	11.4	3.4	2.6	53	0.193	21	4,530	4,350
120	*	12.9	3.4	2.7	57	0.153	21	5,460	5,260
150	*	14.4	3.4	2.8	60	0.124	21	6,410	6,190
185	*	15.9	3.4	2.9	64	0.0991	21	7,690	7,450
240	*	18.3	3.4	3.1	69	0.0754	21	9,900	9,630
300	*	20.5	3.4	3.3	74	0.0601	21	22,910	22,600

* Compacted circular

6 / 10kV CVT, 6 / 10kV CET

6 / 10kV XLPE Insulated and PVC Sheathed Triplex-Type Cable (CVT)
6 / 10kV XLPE Insulated and PE Sheathed Triplex-Type Cable (CET)

Application

Type CVT, CET is used for power and distribution circuits in industrial and commercial installation
It may be installed in conduit, duct, open tray or directly buried

Standard

IEC 60502-2 : Power Cables with extruded insulation and their accessories for rated voltages from 1kv (Um = 1.2kV) up to 30kV (Um = 36kV) - Part2 : Cables for rated voltages from 6kV (Um = 7.2kV) up to 30kV (Um = 36kV)

Construction

Separator : A polyester tape or semi-conducting tape may be applied on the conductor

Core Identification

6 / 10kV CVT. 6/10kV CET(Triplex)

Conductor			Insulation Thiclcness	Sheath Thickness	Core Diameter	Approx.Ovev all Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight	
Nominal Area	Construction	Diameter							CVT	CET
mm^2	No. / mm	mm	mm	mm	mm	mm	Ω / km	kV	kg / km	kg / km
16	*	4.7	3.4	1.5	20	44	1.15	21	1,390	1,270
25	*	5.9	3.4	1.5	21	46	0.727	21	1,730	1,610
35	*	6.9	3.4	1.6	22	48	0.524	21	2,120	1,970
50	*	8.1	3.4	1.6	23	50	0.387	21	2,550	2,390
70	*	9.8	3.4	1.7	25	54	0.268	21	3,330	3,180
95	*	11.4	3.4	1.7	27	58	0.193	21	4,180	4,000
120	*	12.9	3.4	1.8	28	61	0.153	21	5,030	4,850
150	*	14.4	3.4	1.8	30	65	0.124	21	5,910	5,700
185	*	15.9	3.4	1.9	32	70	0.0991	21	7,150	6,910
240	*	18.3	3.4	2.0	35	76	0.0754	21	9,120	8,850
300	*	20.5	3.4	2.0	37	80	0.0601	21	11,060	10,760

*Compacted circular

0.6 / 1kV CVV, 0.6 / 1kV CCV

0.6 / 1kV PVC Insulated and PVC Sheathed Control Cable
0.6 / 1kV XLPE Insulated and PVC Sheathed Control Cable

Application

Type CVV, CCV is used for control circuits in underground duct, conduit and open air

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

Construction

Core Identification

Above 4 core : Numbering code

0.6 / 1kV CVV, 0.6 / 1kV CCV

No. of cores	Conductor			Insulation Thiclcness		Sheath Thickness	Approx.Ovevall Diameter		D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight	
	Nominal Area	Composition	Diameter	PVC Insulation	XLPE Insulation		PVC Insulation	XLPE Insulation			PVC Insulation	XLPE Insulation
	mm²	No. / mm	mm	mm	mm	mm	mm	mm	mm	kV	mm	mm
2	1.5	7/0.53	1.59	0.8	0.7	1.8	11.0	10.5	12.1	3.5	150	130
	2.5	7/0.67	2.01	0.8	0.7	1.8	12.0	11.5	7.41	3.5	190	160
	4	7/0.85	2.55	1.0	0.7	1.8	14.0	12.5	4.61	3.5	250	200
	6	7/1.04	3.12	1.0	0.7	1.8	15.0	13.5	3.08	3.5	310	260
	10	7/1.35	4.05	1.0	0.7	1.8	17.0	15.5	1.83	3.5	420	350
3	1.5	7/0.53	1.59	0.8	0.7	1.8	11.5	11.0	12.1	3.5	190	160
	2.5	7/0.67	2.01	0.8	0.7	1.8	12.5	12.0	7.41	3.5	230	200
	4	7/0.85	2.55	1.0	0.7	1.8	14.5	13.0	4.61	3.5	320	260
	6	7/1.04	3.12	1.0	0.7	1.8	16.0	14.5	3.08	3.5	410	330
	10	7/1.35	4.05	1.0	0.7	1.8	18.0	16.5	1.83	3.5	560	470
4	1.5	7/0.53	1.59	0.8	0.7	1.8	12.5	12.0	12.1	3.5	230	190
	2.5	7/0.67	2.01	0.8	0.7	1.8	13.5	13.0	7.41	3.5	280	250
	4	7/0.85	2.55	1.0	0.7	1.8	16.0	14.5	4.61	3.5	400	320
	6	7/1.04	3.12	1.0	0.7	1.8	17.0	15.5	3.08	3.5	510	420
	10	7/1.35	4.05	1.0	0.7	1.8	19.5	18.0	1.83	3.5	710	600
5	1.5	7/0.53	1.59	0.8	0.7	1.8	13.5	13.0	12.1	3.5	270	230
	2.5	7/0.67	2.01	0.8	0.7	1.8	14.5	14.0	7.41	3.5	340	290
	4	7/0.85	2.55	1.0	0.7	1.8	17.0	15.5	4.61	3.5	490	380
	6	7/1.04	3.12	1.0	0.7	1.8	18.5	17.0	3.08	3.5	620	500
	10	7/1.35	4.05	1.0	0.7	1.8	21.0	19.5	1.83	3.5	870	730

0.6 / 1kV CVV, 0.6 / 1kV CCV

No. of cores	Conductor			Insulation Thiclcness		Sheath Thickness	Approx.Ovevall Diameter		D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight	
	Nominal Area	Composition	Diameter	PVC Insulation	XLPE Insulation		PVC Insulation	XLPE Insulation			PVC Insulation	XLPE Insulation
	mm^2	No. / mm	mm	mm	mm	mm	mm	mm	mm	kV	mm	mm
6	1.5	7/0.53	1.59	0.8	0.7	1.8	14.5	13.5	12.1	3.5	310	260
	2.5	7/0.67	2.01	0.8	0.7	1.8	15.5	15.0	7.41	3.5	390	340
	4	7/0.85	2.55	1.0	0.7	1.8	18.5	16.5	4.61	3.5	570	450
	6	7/1.04	3.12	1.0	0.7	1.8	21.0	18.5	3.08	3.5	730	590
	10	7/1.35	4.05	1.0	0.7	1.8	23.0	21.0	1.83	3.5	1,020	850
7	1.5	7/0.53	1.59	0.8	0.7	1.8	14.5	13.5	12.1	3.5	330	270
	2.5	7/0.67	2.01	0.8	0.7	1.8	15.5	15.0	7.41	3.5	420	360
	4	7/0.85	2.55	1.0	0.7	1.8	18.5	16.5	4.61	3.5	620	480
	6	7/1.04	3.12	1.0	0.7	1.8	21.0	18.5	3.08	3.5	800	640
	10	7/1.35	4.05	1.0	0.7	1.8	23.0	21.0	1.83	3.5	1,140	940
8	1.5	7/0.53	1.59	0.8	0.7	1.8	15.5	15.0	12.1	3.5	380	320
	2.5	7/0.67	2.01	0.8	0.7	1.8	16.5	16.5	7.41	3.5	490	410
	4	7/0.85	2.55	1.0	0.7	1.8	20.0	18.5	4.61	3.5	720	550
	6	7/1.04	3.12	1.0	0.7	1.8	22.0	20.5	3.08	3.5	920	740
	10	7/1.35	4.05	1.0	0.7	1.8	25.0	23.5	1.83	3.5	1,310	1,090
10	1.5	7/0.53	1.59	0.8	0.7	1.8	18.0	17.0	12.1	3.5	460	380
	2.5	7/0.67	2.01	0.8	0.7	1.8	19.5	18.5	7.41	3.5	590	500
	4	7/0.85	2.55	1.0	0.7	1.8	23.0	20.5	4.61	3.5	870	670
	6	7/1.04	3.12	1.0	0.7	1.8	26.0	23.0	3.08	3.5	1,130	900
	10	7/1.35	4.05	1.0	0.7	1.8	29.0	26.5	1.83	3.5	1,610	1,330
12	1.5	7/0.53	1.59	0.8	0.7	1.8	18.5	17.5	12.1	3.5	530	430
	2.5	7/0.67	2.01	0.8	0.7	1.8	20.0	19.0	7.41	3.5	680	570
	4	7/0.85	2.55	1.0	0.7	1.8	24.0	21.5	4.61	3.5	1,020	780
	6	7/1.04	3.12	1.0	0.7	1.8	27.0	23.5	3.08	3.5	1,320	1,050
	10	7/1.35	4.05	1.0	0.7	1.8	30.0	27.5	1.83	3.5	1,890	1,560
15	1.5	7/0.53	1.59	0.8	0.7	1.8	19.5	19.0	12.1	3.5	630	510
	2.5	7/0.67	2.01	0.8	0.7	1.8	22.0	21.0	7.41	3.5	830	690
	4	7/0.85	2.55	1.0	0.7	1.8	26.0	23.5	4.61	3.5	1,240	950
	6	7/1.04	3.12	1.0	0.7	1.8	29.0	26.0	3.08	3.5	1,620	1,280
20	1.5	7/0.53	1.59	0.8	0.7	1.8	22.0	21.0	12.1	3.5	810	650
	2.5	7/0.67	2.01	0.8	0.7	1.8	24.0	23.0	7.41	3.5	1,060	880
	4	7/0.85	2.55	1.0	0.7	1.8	29.0	26.0	4.61	3.5	1,610	1,220
	6	7/1.04	3.12	1.0	0.7	1.8	32.0	29.0	3.08	3.5	2,100	1,660
30	1.5	7/0.53	1.59	0.8	0.7	1.8	26.0	24.0	12.1	3.5	1,150	920
	2.5	7/0.67	2.01	0.8	0.7	1.8(1.9)	28.0	27.0	7.41	3.5	1,520	1,250
	4	7/0.85	2.55	1.0	0.7	1.8(1.9)	35.0	30.5	4.61	3.5	2,350	1,750

( ) is for CVV type

0.6 / 1kV CVV-S, 0.6 / 1kV CVV-SB

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

Application

Type CVV-S, CVV-SB is used for control circuits required electrostatic shielding in underground duct, conduit and open air

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

Construction

Core Identification

Above 4 core : Numbering code

0.6 / 1kV CVV-S, 0.6 / 1kV CVV-SB

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	7/0.53	1.59	0.8	1.8	12.0	12.1	3.5	170
	2.5	7/0.67	2.01	0.8	1.8	13.0	7.41	3.5	200
	4	7/0.85	2.55	1.0	1.8	14.5	4.61	3.5	280
	6	7/1.04	3.12	1.0	1.8	16.0	3.08	3.5	340
	10	7/1.35	4.05	1.0	1.8	17.5	1.83	3.5	460
3	1.5	7/0.53	1.59	0.8	1.8	12.5	12.1	3.5	200
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	3.5	250
	4	7/0.85	2.55	1.0	1.8	15.5	4.61	3.5	350
	6	7/1.04	3.12	1.0	1.8	17.0	3.08	3.5	440
	10	7/1.35	4.05	1.0	1.8	18.5	1.83	3.5	600
4	1.5	7/0.53	1.59	0.8	1.8	13.5	12.1	3.5	250
	2.5	7/0.67	2.01	0.8	1.8	14.5	7.41	3.5	310
	4	7/0.85	2.55	1.0	1.8	16.5	4.61	3.5	430
	6	7/1.04	3.12	1.0	1.8	18.0	3.08	3.5	550
	10	7/1.35	4.05	1.0	1.8	20.5	1.83	3.5	760
5	1.5	7.053	1.59	0.8	1.8	14.5	12.1	3.5	290
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	3.5	360
	4	7/0.85	2.55	1.0	1.8	18.0	4.61	3.5	520
	6	7/1.04	3.12	1.0	1.8	19.5	3.08	3.5	660
	10	7/1.35	4.05	1.0	1.8	22.5	1.83	3.5	920

0.6 / 1kV CVV-S, 0.6 / 1kV CVV-SB

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
	Nominal Area	Construction	Diameter						
	mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
6	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	3.5	330
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	3.5	420
	4	7/0.85	2.55	1.0	1.8	19.5	4.61	3.5	620
	6	7/1.04	3.12	1.0	1.8	21.5	3.08	3.5	780
	10	7/1.35	4.05	1.0	1.8	24.5	1.83	3.5	1,090
7	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	3.5	360
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	3.5	460
	4	7/0.85	2.55	1.0	1.8	19.5	4.61	3.5	670
	6	7/1.04	3.12	1.0	1.8	21.5	3.08	3.5	860
	10	7/1.35	4.05	1.0	1.8	24.5	1.83	3.5	1,210
8	1.5	7/0.53	1.59	0.8	1.8	16.5	12.1	3.5	410
	2.5	7/0.67	2.01	0.8	1.8	17.5	7.41	3.5	520
	4	7/0.85	2.55	1.0	1.8	21.5	4.61	3.5	780
	6	7/1.04	3.12	1.0	1.8	23.5	3.08	3.5	990
	10	7/1.35	4.05	1.0	1.8	26.5	1.83	3.5	1,400
10	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	3.5	500
	2.5	7/0.67	2.01	0.8	1.8	20.5	7.41	3.5	640
	4	7/0.85	2.55	1.0	1.8	24.5	4.61	3.5	950
	6	7/1.04	3.12	1.0	0.8	26.5	3.08	3.5	1,220
	10	7/1.35	4.05	1.0	1.8	30.5	1.83	3.5	1,720
12	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	3.5	570
	2.5	7/0.67	2.01	0.8	1.8	20.5	7.41	3.5	730
	4	7/0.85	2.55	1.0	1.8	25.5	4.61	3.5	1,090
	6	7/1.04	3.12	1.0	1.8	27.5	3.08	3.5	1,400
	10	7/1.35	4.05	1.0	1.8	31.5	1.83	3.5	2,000
15	1.5	7/0.53	1.59	0.8	1.8	20.5	12.1	3.5	680
	2.5	7/0.67	2.01	0.8	1.8	22.5	7.41	3.5	890
	4	7/0.85	2.55	1.0	1.8	27.5	4.61	3.5	1,330
	6	7/1.04	3.12	1.0	1.8	29.5	3.08	3.5	1,720
20	1.5	7/0.53	1.59	0.8	1.8	22.0	12.1	3.5	870
	2.5	7/0.67	2.01	0.8	1.8	25.0	7.41	3.5	1,130
	4	7/0.85	2.55	1.0	1.8	30.0	4.61	3.5	1,710
	6	7/1.04	3.12	1.0	1.8	33.0	3.08	3.5	2,230
30	1.5	7/0.53	1.59	0.8	1.8	26.0	12.1	3.5	1,230
	2.5	7/0.67	2.01	0.8	1.8	29.0	7.41	3.5	1,620
	4	7/0.85	2.55	1.0	1.9	36.0	4.61	3.5	2,480

0.6 / 1kV CVV-AMS, 0.6 / 1kV CVV-I / CAMS

0.6 / 1kV PVC Insulated and PVC Sheathed Control Cable With Aluminum-mylar Tape Shield

Application

Type CVV-AMS, CVV-I/CAMS is used for control circuits required electrostatic shielding in underground duct

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

Construction

Core Identification

Above 4 core : Numbering code
Pair type : White, Black Triad type : White, Black, Red

0.6 / 1kV CVV-AMS (Core Type)

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	7/0.53	1.59	0.8	1.8	12.0	12.1	3.5	160
	2.5	7/0.67	2.01	0.8	1.8	13.0	7.41	3.5	190
	4	7/0.85	2.55	1.0	1.8	14.5	4.61	3.5	260
	6	7/1.04	3.12	1.0	1.8	16.0	3.08	3.5	320
	10	7/1.35	4.05	1.0	1.8	17.5	1.83	3.5	430
3	1.5	7/0.53	1.59	0.8	1.8	12.5	12.1	3.5	190
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	3.5	240
	4	7/0.85	2.55	1.0	1.8	15.5	4.61	3.5	330
	6	7/1.04	3.12	1.0	1.8	17.0	3.08	3.5	410
	10	7/1.35	4.05	1.0	1.8	18.5	1.83	3.5	570
4	1.5	7/0.53	1.59	0.8	1.8	13.5	12.1	3.5	230
	2.5	7/0.67	2.01	0.8	1.8	14.5	7.41	3.5	290
	4	7/0.85	2.55	1.0	1.8	16.5	4.61	3.5	410
	6	7/1.04	3.12	1.0	1.8	18.0	3.08	3.5	520
	10	7/1.35	4.05	1.0	1.8	20.5	1.83	3.5	720

0.6 / 1kV CVV-AMS (Core Type)

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20° C)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
5	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	3.5	270
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	3.5	340
	4	7/0.85	2.55	1.0	1.8	18.0	4.61	3.5	490
	6	7/1.04	3.12	1.0	1.8	19.5	3.08	3.5	630
	10	7/1.35	4.05	1.0	1.8	22.5	1.83	3.5	870
6	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	3.5	310
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	3.5	400
	4	7/0.85	2.55	1.0	1.8	19.5	4.61	3.5	580
	6	7/1.04	3.12	1.0	1.8	21.5	3.08	3.5	740
	10	7/1.35	4.05	1.0	1.8	24.5	1.83	3.5	1,040
7	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	3.5	340
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	3..5	430
	4	7/0.85	2.55	1.0	1.8	19.5	4.61	3.5	630
	6	7/1.04	3.12	1.0	1.8	21.5	3.08	3.5	810
	10	7/1.35	4.05	1.0	1.8	24.5	1.83	3.5	1,150
8	1.5	7/0.53	1.59	0.8	1.8	16.5	12.1	3.5	390
	2.5	7/0.67	2.01	0.8	1.8	17.5	7.41	3.5	490
	4	7/0.85	2.55	1.0	1.8	21.5	4.61	3.5	730
	6	7/1.04	3.12	1.0	1.8	23.5	3.08	3.5	940
	10	7/1.35	4.05	1.0	1.8	26.5	1.83	3.5	1,330
10	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	3.5	470
	2.5	7/0.67	2.01	0.8	1.8	20.5	7.41	3.5	600
	4	7/0.85	2.55	1.0	1.8	24.5	4.61	3.5	890
	6	7/1.04	3.12	1.0	1.8	26.5	3.08	3.5	1,150
	10	7/1.35	4.05	1.0	1.8	30.5	1.83	3.5	1,640
12	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	3.5	530
	2.5	7/0.67	2.01	0.8	1.8	20.5	7.41	3.5	690
	4	7/0.85	2.55	1.0	1.8	25.5	4.61	3.5	1,030
	6	7/1.04	3.12	1.0	1.8	27.5	3.08	3.5	1,330
	10	7/1.35	4.05	1.0	1.8	31.5	1.83	3.5	1,910
15	1.5	7/0.53	1.59	0.8	1.8	20.5	12.1	3.5	640
	2.5	7/0.67	2.01	0.8	1.8	22.5	7.41	3.5	830
	4	7/0.85	2.55	1.0	1.8	27.5	4.61	3.5	1,250
	6	7/1.04	3.12	1.0	1.8	29.5	3.08	3.5	1,630
20	1.5	7/0.53	1.59	0.8	1.8	22.0	12.1	3.5	820
	2.5	7/0.67	2.01	0.8	1.8	25.0	7.41	3.5	1,070
	4	7/0.85	2.55	1.0	1.8	30.0	4.61	3.5	1,630
	6	7/1.04	3.12	1.0	1.8	33.0	3.08	3.5	2,130
30	1.5	7/0.53	1.59	0.8	1.8	26.0	12.1	3.5	1,160
	2.5	7/0.67	2.01	0.8	1.8	29.0	7.41	3.5	1,540
	4	7/0.85	2.55	1.0	1.9	36.0	4.61	3.5	2,370

0.6 / 1kV CVV-I / CAMS (Pairs type)

No. of pairs	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	7/0.53	1.59	0.8	1.8	16.0	12.34	3.5	280
	2.5	7/0.67	2.01	0.8	1.8	17.5	7.56	3.5	350
	4	7/0.85	2.55	1.0	1.8	21.0	4.70	3.5	460
3	1.5	7/0.53	1.59	0.8	1.8	17.0	12.34	3.5	340
	2.5	7/0.67	2.01	0.8	1.8	18.5	7.56	3.5	440
	4	7/0.85	2.55	1.0	1.8	22.0	4.70	3.5	590
4	1.5	7/0.53	1.59	0.8	1.8	18.5	12.34	3.5	420
	2.5	7/0.67	2.01	0.8	1.8	20.0	7.56	3.5	540
	4	7/0.85	2.55	1.0	1.8	24.0	4.70	3.5	740
5	1.5	7/0.53	1.59	0.8	1.8	20.0	12.34	3.5	500
	2.5	7/0.67	2.01	0.8	1.8	22.0	7.56	3.5	650
	4	7/0.85	2.55	1.0	1.8	26.5	4.70	3.5	900
6	1.5	7/0.53	1.59	0.8	1.8	21.5	12.34	3.5	580
	2.5	7/0.67	2.01	0.8	1.8	24.0	7.56	3.5	770
	4	7/0.85	2.55	1.0	1.9	29.5	4.70	3.5	1,080
7	1.5	7/0.53	2.59	0.8	1.8	21.5	12.34	3.5	630
	2.5	7/0.67	2.01	0.8	1.8	24.0	7.56	3.5	830
	4	7/0.85	2.55	1.0	1.9	29.5	4.70	3.5	1,170
8	1.5	7/0.53	1.59	0.8	1.8	24.5	12.34	3.5	720
	2.5	7/0.67	2.01	0.8	1.8	27.0	7.56	3.5	960
	4	7/0.85	2.55	1.0	2.0	33.0	4.70	3.5	1,370
10	1.5	7/0.53	1.59	0.8	1.8	27.5	12.34	3.5	880
	2.5	7.067	2.01	0.8	1.9	30.5	7.56	3.5	1,190
	4	7/0.85	2.55	1.0	2.2	38.0	4.70	3.5	1,720
12	1.5	7/0.53	1.59	0.8	1.8	28.5	12.34	3.5	1,000
	2.5	7/0.67	2.01	0.8	2.0	32.0	7.56	3.5	1,380
	4	7/0.85	2.55	1.0	2.2	39.5	4.70	3.5	1,970
15	1.5	7/0.53	1.59	0.8	2.0	32.0	12.34	3.5	1,240
	2.5	7.67	2.01	0.8	2.1	35.5	7.56	3.5	1,700
	4	7/0.85	2.55	1.0	2.4	44.5	4.70	3.5	2,440
20	1.5	7/0.53	1.59	0.8	2.1	36.0	12.34	3.5	1,610
	2.5	7/0.67	2.01	0.8	2.2	40.0	7.56	3.5	2,210
	4	7/0.85	2.55	1.0	2.5	50.0	4.70	3.5	3,180
30	1.5	7/0.53	1.59	0.8	2.3	42.5	12.34	3.5	2,330
	2.5	7/0.67	2.01	0.8	2.5	48.0	7.56	3.5	3,240
	4	7/0.85	2.55	1.0	2.9	59.5	4.70	3.5	4,680

0.6 / 1kV CVV-I/CAMS (Triads Type)

No. of Triads	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	7/0.53	1.59	0.8	1.8	17.5	12.34	3.5	370
	2.5	7/0.67	2.01	0.8	1.8	19.5	7.56	3.5	470
	4	7/0.85	2.55	1.0	1.8	23.5	4.70	3.5	650
3	1.5	7/0.53	1.59	0.8	1.8	19.0	12.34	3.5	470
	2.5	7/0.67	2.01	0.8	1.8	20.5	7.56	3.5	600
	4	7/0.85	2.55	1.0	1.8	25.0	4.70	3.5	830
4	1.5	7/0.53	1.59	0.8	1.8	20.5	12.34	3.5	570
	2.5	7/0.67	2.01	0.8	1.8	22.5	7.56	3.5	750
	4	7/0.85	2.55	1.0	1.8	27.5	4.70	3.5	1,050
5	1.5	7/0.53	1.59	0.8	1.8	22.5	12.34	3.5	690
	2.5	7/0.67	2.01	0.8	1.8	24.5	7.56	3.5	910
	4	7/0.85	2.55	1.0	1.9	30.3	4.70	3.5	1,300
6	1.5	7/0.53	1.59	0.8	1.8	24.5	12.34	3.5	810
	2.5	7/0.67	2.01	0.8	1.8	27.0	7.56	3.5	1,080
	4	7/0.85	2.55	1.0	2.0	33.5	4.70	3.5	1,550
7	1.5	7/0.53	1.59	0.8	1.8	24.5	12.34	3.5	880
	2.5	7/0.67	2.01	0.8	1.8	27.0	7.56	3.5	1,180
	4	7/0.85	2.55	1.0	2.0	33.5	4.70	3.5	1,690
8	1.5	7/0.53	1.59	0.8	1.8	27.5	12.34	3.5	1,010
	2.5	7/0.67	2.01	0.8	1.9	30.5	7.56	3.5	1,370
	4	7/0.85	2.55	1.0	2.2	38.0	4.70	3.5	1,990
10	1.5	7/0.53	1.59	0.8	1.9	31.5	12.34	3.5	1,250
	2.5	7/0.67	2.01	0.8	2.1	35.0	7.56	3.5	1,720
	4	7/0.85	2.55	1.0	2.3	43.5	4.70	3.5	2,470
12	1.5	7/0.53	1.59	0.8	2.0	32.5	12.34	3.5	1,450
	2.5	7/0.67	2.01	0.8	2.1	36.5	7.56	3.5	1,980
	4	7/0.85	2.55	1.0	2.4	45.5	4.70	3.5	2,870
15	1.5	7/0.53	1.59	0.8	2.1	36.5	12.34	3.5	1,770
	2.5	7/0.67	2.01	0.8	2.2	40.5	7.56	3.5	2,420
	4	7/0.85	2.55	1.0	2.6	51.0	4.70	3.5	3,550
20	1.5	7/0.53	1.59	0.8	2.3	41.0	12.34	3.5	2,320
	2.5	7/0.67	2.01	0.8	2.4	46.0	7.56	3.5	3,190
	4	7/0.85	2.55	1.0	2.8	57.5	4.70	3.5	4,660
30	1.5	7/0.53	1.59	0.8	2.5	49.0	12.34	3.5	3,360
	2.5	7/0.67	2.01	0.8	2.7	55.0	7.56	3.5	4,650
	4	7/0.85	2.55	1.0	3.1	68.5	4.70	3.5	6,790

22.9kV CN / CV-W, 22.9kV FR-CN / CO-W

22.9kV Water-Proof Copper Conductor XLPE Insulated, Concentric Neutral conductor with water blocking tapes and Healogen free poly olefin Sheathed Power Cable
22.9kV Water-Proof Copper Conductor XLPE Insulated, Concentric Neutral conductor with water blocking tapes and Healogen free poly olefin Sheathed Power Cable

Application

Type CN/CV-W, FR-CN/CO-W is used for 22.9kV Multi-Grounded power and distribution circuits in industrial and commercial installation. It may be installed on conduit, duct, tray or directly buried. Safe from ingress of humidity

Standard

KEPCO Standard
LS CABLE Standard

Certificate

KEPCO
Application size : 60㎟, 200㎟
325㎟, 600㎟

Construction

22.9kV CN / CV-W, 22.9kV FR-CN / CO-W

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Insulation Resistance (70℃)
Nominal Area	Composition	Diameter					
㎟	No. / mm	mm	mm	mm	mm	Ω / km	MΩ . / km
38	*	7.3	6.6	3.0	34	0.481	3,500
60	*	9.3	6.6	3.0	36	0.305	3,000
100	*	12.0	6.6	3.0	40	0.183	2,500
150	*	14.7	6.6	3.0	43	0.122	2,000
200	*	17.0	6.6	3.0	45	0.0915	2,000
250	*	19.0	6.6	3.0	48	0.0739	2,000
325	*	21.7	6.6	3.0	51	0.0568	2,000
400	*	24.1	6.6	3.0	54	0.0462	1,500
500	*	26.9	6.6	3.0	57	0.0369	1,500
600	*	29.5	6.6	4.0	61	0.0308	1,500

* Compacted circular (Water proof)

0.6 / 1kV VCT

0.6 / 1kV Insulated and PVC sheathed Flexible Cord

Application

Type VCTF, VCTFK is widely used for electric home apparatus under A.C 300V

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

IEC 60227-5 : Flexible Cable(cords)

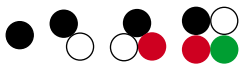
Symbol

VCTF : PVC insulated PVC Cabtyre cord (Round type)

VCTFK : PVC insulated PVC Cabtyre cord (Flat type)

Construction

Core Identification



0.6 / 1kV VCT (Single Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance(20°C)		Test Voltage	Approx. Weight
Nominal Area	Max. Wire diameter	Diameter				Non Plated	Plated		
mm^2	mm	mm	mm	mm	mm	Ω / km	Ω / km	kV	kg / km
1.0	0.21	1.3	0.8	1.4	6.0	19.5	20.0	3.5	50
1.5	0.26	1.6	0.8	1.4	6.5	13.3	13.7	3.5	60
2.5	0.26	2.1	0.8	1.4	7.0	7.98	8.21	3.5	80
4	0.31	2.6	1.0	1.4	8.0	4.95	5.09	3.5	100
6	0.31	3.6	1.0	1.4	9.0	3.30	3.39	3.5	130
10	0.41	4.8	1.0	1.4	10.0	1.91	1.95	3.5	180
16	0.41	6.0	1.0	1.4	11.0	1.21	1.24	3.5	240
25	0.41	7.4	1.2	1.4	13.0	0.780	0.795	3.5	350
35	0.41	8.7	1.2	1.4	14.5	0.554	0.565	3.5	450
50	0.41	10.4	1.4	1.4	16.5	0.386	0.393	3.5	610
70	0.51	12.5	1.4	1.4	18.5	0.272	0.277	3.5	820
95	0.51	14.5	1.6	1.5	21.5	0.206	0.210	3.5	1,110
120	0.51	16.2	1.6	1.5	23.0	0.161	0.164	3.5	1,370
150	0.51	18.2	1.8	1.6	26.0	0.129	0.132	3.5	1,680
185	0.51	20.2	2.0	1.7	28.0	0.106	0.108	3.5	2,070
240	0.51	23.3	2.2	1.8	32.0	0.0801	0.0817	3.5	2,710
300	0.51	26.0	2.4	1.9	35.5	0.0641	0.0654	3.5	3,360

0.6 / 1kV VCT (2 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance(20℃)		Test Voltage	Approx. Weight
Nominal Area	Max. Wire diameter	Diameter				Non Plated	Plated		
mm^2	mm	mm	mm	mm	mm	Ω / km	Ω / km	kV	kg / km
1.0	0.21	1.3	0.8	1.8	10.0	19.5	20.0	3.5	120
1.5	0.26	1.6	0.8	1.8	10.5	13.3	13.7	3.5	130
2.5	0.26	2.1	0.8	1.8	11.5	7.98	8.21	3.5	160
4	0.31	2.6	1.0	1.8	13.5	4.95	5.09	3.5	220
6	0.31	3.6	1.0	1.8	15.5	3.30	3.39	3.5	290
10	0.41	4.8	1.0	1.8	17.5	1.91	1.95	3.5	400
16	0.41	6.0	1.0	1.8	20.0	1.21	1.24	3.5	530
25	0.41	7.4	1.2	1.8	23.5	0.780	0.795	3.5	770
35	0.41	8.7	1.2	1.8	26.5	0.554	0.565	3.5	980
50	0.41	10.4	1.4	1.9	30.5	0.386	0.393	3.5	1,320
70	0.51	12.5	1.4	2.1	35.5	0.272	0.277	3.5	1,800
95	0.51	14.5	1.6	2.2	40.5	0.206	0.210	3.5	2,430

0.6 / 1kV VCT (3 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance(20℃)		Test Voltage	Approx. Weight
Nominal Area	Max. Wire diameter	Diameter				Non Plated	Plated		
mm^2	mm	mm	mm	mm	mm	Ω / km	Ω / km	kV	kg / km
1.0	0.21	1.3	0.8	1.8	10.5	19.5	20.0	3.5	140
1.5	0.26	1.6	0.8	1.8	11.0	13.3	13.7	3.5	160
2.5	0.26	2.1	0.8	1.8	12.0	7.98	8.21	3.5	200
4	0.31	2.6	1.0	1.8	14.0	4.95	5.09	3.5	280
6	0.31	3.6	1.0	1.8	16.0	3.30	3.39	3.5	370
10	0.41	4.8	1.0	1.8	19.0	1.91	1.95	3.5	520
16	0.41	6.0	1.0	1.8	21.5	1.21	1.24	3.5	700
25	0.41	7.4	1.2	1.8	25.0	0.780	0.795	3.5	1,030
35	0.41	8.7	1.2	1.8	28.0	0.554	0.565	3.5	1,340
50	0.41	10.4	1.4	2.0	33.0	0.386	0.393	3.5	1,820
70	0.51	12.5	1.4	2.2	38.0	0.272	0.277	3.5	2,500
95	0.51	14.5	1.6	2.3	43.5	0.206	0.210	3.5	3,380

0.6 / 1kV VCT (4 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance(20℃)		Test Voltage	Approx. Weight
Nominal Area	Max. Wire diameter	Diameter				Non Plated	Plated		
mm^2	mm	mm	mm	mm	mm	Ω / km	Ω / km	kV	kg / km
1.0	0.21	1.3	0.8	1.8	11.0	19.5	20.0	3.5	170
1.5	0.26	1.6	0.8	1.8	12.0	13.3	13.7	3.5	190
2.5	0.26	2.1	0.8	1.8	13.0	7.98	8.21	3.5	240
4	0.31	2.6	1.0	1.8	15.0	4.95	5.09	3.5	340
6	0.31	3.6	1.0	1.8	17.5	3.30	3.39	3.5	460
10	0.41	4.8	1.0	1.8	20.5	1.91	1.95	3.5	650
16	0.41	6.0	1.0	1.8	23.5	1.21	1.24	3.5	900
25	0.41	7.4	1.2	1.8	28.0	0.780	0.795	3.5	1,330
35	0.41	8.7	1.2	1.9	31.0	0.554	0.565	3.5	1,750
50	0.41	10.4	1.4	2.1	36.5	0.386	0.393	3.5	2,370
70	0.51	12.5	1.4	2.3	42.0	0.272	0.277	3.5	3,270
95	0.51	14.5	1.6	2.5	48.5	0.206	0.210	3.5	4,450

0.6 / 1kV F-CV

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

Application

Type Flame-Retardant Cable is used for power and lighting circuits in tray, underground duct and open air in accordance with technical standard for electrical equipments

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

Flammability

Vertical Tray Flame Test (VTFT) to KS C 3341 clause 6.12 or KS C 3404 attached 2
Vertical Tray Flame Test (VTFT) to IEEE 383

Construction

Core Identification

0.6 / 1kV F-CV (Single Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight
Nominal Area	Construction	Diameter						
mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7/0.53	1.59	0.7	1.4	6.3	12.1	3.5	50
2.5	7/0.67	2.01	0.7	1.4	6.7	7.41	3.5	70
4	7/0.85	2.55	0.7	1.4	7.2	4.61	3.5	90
6	7/1.04	3.12	0.7	1.4	7.8	3.08	3.5	110
10	7/1.35	4.05	0.7	1.4	9.4	1.83	3.5	170
16	*	4.7	0.7	1.4	10.0	1.15	3.5	210
25	*	5.9	0.9	1.4	12.0	0.727	3.5	310
35	*	6.9	0.9	1.4	13.0	0.524	3.5	400
50	*	8.1	1.0	1.4	14.5	0.387	3.5	520
70	*	9.8	1.1	1.4	16.0	0.268	3.5	720
95	*	11.4	1.1	1.5	18.5	0.193	3.5	970
120	*	12.9	1.2	1.5	20	0.153	3.5	1,210
150	*	14.4	1.4	1.6	22	0.124	3.5	1,490
185	*	15.9	1.6	1.6	24	0.0991	3.5	1,840
240	*	18.3	1.7	1.7	27	0.0754	3.5	2,400
300	*	20.5	1.8	1.8	30	0.0601	3.5	2,980
400	*	23.2	2.0	1.9	34	0.0470	3.5	3,800
500	*	26.4	2.2	2.0	37	0.0366	3.5	4,850
630	*	30.2	2.4	2.2	42	0.0283	3.5	6,240

* Compacted circular

0.6 / 1kV F-CV (2 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7/0.53	1.59	0.7	1.8	11.0	12.1	3.5	120
2.5	7/0.67	2.01	0.7	1.8	12.0	7.41	3.5	150
4	7/0.85	2.55	0.7	1.8	13.0	4.61	3.5	190
6	7/1.04	3.12	0.7	1.8	14.0	3.08	3.5	240
10	7/1.35	4.05	0.7	1.8	17.0	1.83	3.5	330
16	*	4.7	0.7	1.8	18.5	1.15	3.5	450
25	*	5.9	0.9	1.8	22	0.727	3.5	660
35	*	6.9	0.9	1.8	24	0.524	3.5	880
50	*	8.1	1.0	1.8	27	0.387	3.5	1,150
70	*	9.8	1.1	1.8	31	0.268	3.5	1,610
95	*	11.4	1.1	1.9	35	0.193	3.5	2,170
120	*	12.9	1.2	2.0	38	0.153	3.5	2,670
150	*	14.4	1.4	2.2	43	0.124	3.5	3,310
185	*	15.9	1.6	2.3	47	0.0991	3.5	4,110
240	*	18.3	1.7	2.5	53	0.0754	3.5	5,340
300	*	20.5	1.8	2.6	58	0.0601	3.5	6,630

0.6 / 1kV F-CV (3 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3.5	150
2.5	7/0.67	2.01	0.7	1.8	12.5	7.41	3.5	180
4	7/0.85	2.55	0.7	1.8	13.5	4.61	3.5	240
6	7/1.04	3.12	0.7	1.8	14.5	3.08	3.5	310
10	7/1.35	4.05	0.7	1.8	18.0	1.83	3.5	450
16	*	4.7	0.7	1.8	19.5	1.15	3.5	610
25	*	5.9	0.9	1.8	23	0.727	3.5	900
35	*	6.9	0.9	1.8	25	0.524	3.5	1,210
50	*	8.1	1.0	1.8	29	0.387	3.5	1,560
70	*	9.8	1.1	1.9	33	0.268	3.5	2,200
95	*	11.4	1.1	2.0	37	0.193	3.5	2,970
120	*	12.9	1.2	2.1	41	0.153	3.5	3,790
150	*	14.4	1.4	2.3	46	0.124	3.5	4,670
185	*	15.9	1.6	2.4	50	0.0991	3.5	5,830
240	*	18.3	1.7	2.6	57	0.0754	3.5	7,580
300	*	20.5	1.8	2.7	62	0.0601	3.5	9,400

0.6 / 1kV F-CV (4 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3.5	170
2.5	7/0.67	2.01	0.7	1.8	13.5	7.41	3.5	220
4	7/0.85	2.55	0.7	1.8	14.5	4.61	3.5	290
6	7/1.04	3.12	0.7	1.8	16.0	3.08	3.5	380
10	7/1.35	4.05	0.7	1.8	20	1.83	3.5	570
16	*	4.7	0.7	1.8	22	1.15	3.5	790
25	*	5.9	0.9	1.8	26	0.727	3.5	1,180
35	*	6.9	0.9	1.8	28	0.524	3.5	1,550
50	*	8.1	1.0	1.9	32	0.387	3.5	2,060
70	*	9.8	1.1	2.0	36	0.268	3.5	2,930
95	*	11.4	1.1	2.1	42	0.193	3.5	3,970
120	*	12.9	1.2	2.3	46	0.153	3.5	4,980
150	*	14.4	1.4	2.4	51	0.124	3.5	6,130
185	*	15.9	1.6	2.6	56	0.0991	3.5	7,660
240	*	18.3	1.7	2.8	63	0.0754	3.5	9,960
300	*	20.5	1.8	3.0	70	0.0601	3.5	12,380

* Compacted circular

6 / 10kV F-CV

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

Application

Type Flame-Retardant Cable is used for power and lighting circuits in tray, underground duct and open air in accordance with technical standard for electrical equipments

Standard

IEC 60502-2 : Power Cables with extruded insulation and their accessories for rated voltages from 1kv (Um = 1.2kV) up to 30kV (Um = 36kV) - Part2 : Cables for rated voltages from 6kV (Um = 7.2kV) up to 30kV (Um = 36kV)

Flammability

Vertical Tray Flame Test (VTFT) to KS C 3341 clause 6.12 or KSC 3404 attached 2
Vertical Tray Flame Test (VTFT) to IEEE 383

Construction

Core Identification

6 / 10kV F-CV (Single Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20˚C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
16	*	4.7	3.4	1.5	20	1.15	21	460
25	*	5.9	3.4	1.5	21	0.727	21	570
35	*	6.9	3.4	1.6	22	0.524	21	700
50	*	8.1	3.4	1.6	23	0.387	21	840
70	*	9.8	3.4	1.7	25	0.268	21	1,100
95	*	11.4	3.4	1.7	27	0.193	21	1,380
120	*	12.9	3.4	1.8	28	0.153	21	1,660
150	*	14.4	3.4	1.8	30	0.124	21	1,950
185	*	15.9	3.4	1.9	32	0.0991	21	2,360
240	*	18.3	3.4	2.0	35	0.0754	21	3,010
300	*	20.5	3.4	2.0	37	0.0601	21	3,650
400	*	23.2	3.4	2.2	40	0.0470	21	4,520
500	*	26.4	3.4	2.2	43	0.0366	21	5,650
630	*	30.2	3.4	2.3	48	0.0283	21	7,230

6 / 10kV F-CV 3C TYPE Collective Sheath Type

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20˚C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
16	*	4.7	3.4	2.1	39	1.15	21	1,520
25	*	5.9	3.4	2.2	41	0.727	21	1,930
35	*	6.9	3.4	2.3	43	0.524	21	2,320
50	*	8.1	3.4	2.4	46	0.387	21	2,810
70	*	9.8	3.4	2.5	50	0.268	21	3,600
95	*	11.4	3.4	2.6	53	0.193	21	4,530
120	*	12.9	3.4	2.7	57	0.153	21	5,460
150	*	14.4	3.4	2.8	60	0.124	21	6,410
185	*	15.9	3.4	2.9	64	0.0991	21	7,690
240	*	18.3	3.4	3.1	69	0.0754	21	9,900
300	*	20.5	3.4	3.3	74	0.0601	21	12,910

* Compacted circular

0.6 / 1kV F-GV

0.6 / 1kV Flame-Retardant PVC Insulated Wire for Grounding Use

Application

Type F-GV is used for 1st class and 2nd class of earthing construction in tray in accordance with Electrical Construction Regulation

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages
from 1kV (Um = 1.2kv) up to 30 kV (um = 36kV) ;
part1 : Cables for rated voltages of 1kv (um = 1.2kV) and 3kV (um = 3.6kV)

Construction

Color

0.6 / 1kV F-GV

Conductor			Insulation Thiclcness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter					
mm^2	No./mm	mm	mm	mm	Ω /km	kV	kg/km
1.5	7/0.53	1.59	2.2	6.5	12.1	3.5	60
2.5	7/0.67	2.01	2.2	7.0	7.41	3.5	80
4	7/0.85	2.55	2.4	8.0	4.61	3.5	110
6	7/1.04	3.12	2.4	8.5	3.08	3.5	130
10	7/1.35	4.05	2.4	9.5	1.83	3.5	180
16	*	4.7	2.4	10.0	1.15	3.5	230
25	*	5.9	2.6	12.0	0.727	3.5	340
35	*	6.9	2.6	13.0	0.524	3.5	440
50	*	8.1	2.8	14.5	0.387	3.5	570
70	*	9.8	2.8	16.0	0.268	3.5	780
95	*	11.4	3.1	18.5	0.193	3.5	1,060
120	*	12.9	3.1	20	0.153	3.5	1,300
150	*	14.4	3.4	22	0.124	3.5	1,600
185	*	15.9	3.7	25	0.0991	3.5	1,980
240	*	18.3	4.0	28	0.0754	3.5	2,580
300	*	20.5	4.3	30	0.0601	3.5	3,210
400	*	23.2	4.6	34	0.0470	3.5	4,050
500	*	26.4	4.9	38	0.0366	3.5	5,150
630	*	30.2	5.0	42	0.0283	3.5	6,570

* Compacted circular

0.6 / 1kV F-CVV

0.6 / 1kV PVC Insulated and Flame-Retardant PVC Sheathed Control Cable without Shield

Application

Type Flame-Retardant Cable is used for control circuits in tray, underground duct and open air in accordance with technical standard for electrical equipment

Standard

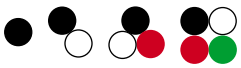
IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

Flammbility

Vertical Tray Flame Test (VTFT) to KS C 3341 clause 6.12 or KS C 3404 attached 2
Vertical Tray Flame Test (VTFT) to IEEE 383

Construction

Core Identification



Above 4 core : Numbering code

0.6 / 1kV F-CVV

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	7/0.53	1.59	0.8	1.8	11.0	12.1	3.5	150
	2.5	7/0.67	2.01	0.8	1.8	12.0	7.41	3.5	190
	4	7/0.85	2.55	1.0	1.8	14.0	4.61	3.5	250
	6	7/1.04	3.12	1.0	1.8	15.0	3.08	3.5	310
	10	7/1.35	4.05	1.0	1.8	17.0	1.83	3.5	420
3	1.5	7/0.53	1.59	0.8	1.8	11.5	12.1	3.5	190
	2.5	7/0.67	2.01	0.8	1.8	12.5	7.41	3.5	230
	4	7/0.85	2.55	1.0	1.8	14.5	4.61	3.5	320
	6	7/1.04	3.12	1.0	1.8	16.0	3.08	3.5	410
	10	7/1.35	4.05	1.0	1.8	18.0	1.83	3.5	560
4	1.5	7/0.53	1.59	0.8	1.8	12.5	12.1	3.5	230
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	3.5	280
	4	7/0.85	2.55	1.0	1.8	16.0	4.61	3.5	400
	6	7/1.04	3.12	1.0	1.8	17.0	3.08	3.5	510
	10	7/1.35	4.05	1.0	1.8	19.5	1.83	3.5	710

0.6 / 1kV F-CVV

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
5	1.5	7/0.53	1.59	0.8	1.8	13.5	12.1	3.5	270
	2.5	7/0.67	2.01	0.8	1.8	14.5	7.41	3.5	340
	4	7/0.85	2.55	1.0	1.8	17.0	4.61	3.5	490
	6	7/1.04	3.12	1.0	1.8	18.5	3.08	3.5	620
	10	7/1.35	4.05	1.0	1.8	21.0	1.83	3.5	870
6	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	3.5	310
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	3.5	390
	4	7/0.85	2.55	1.0	1.8	18.5	4.61	3.5	570
	6	7/1.04	3.12	1.0	1.8	21.0	3.08	3.5	730
	10	7/1.35	4.05	1.0	1.8	23.0	1.83	3.5	1,020
7	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	3.5	330
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	3.5	420
	4	7/0.85	2.55	1.0	1.8	18.5	4.61	3.5	620
	6	7/1.04	3.12	1.0	1.8	21.0	3.08	3.5	800
	10	7/1.35	4.05	1.0	1.8	23.0	1.83	3.5	1,140
8	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	3.5	380
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	3.5	490
	4	7/0.85	2.55	1.0	1.8	20.0	4.61	3.5	720
	6	7/1.04	3.12	1.0	1.8	22.0	3.08	3.5	920
	10	7/1.35	4.05	1.0	1.8	25.0	1.83	3.5	1,310
10	1.5	7/0.53	1.59	0.8	1.8	18.0	12.1	3.5	460
	2.5	7/0.67	2.01	0.8	1.8	19.5	7.41	3.5	590
	4	7/0.85	2.55	1.0	1.8	23.0	4.61	3.5	870
	6	7/1.04	3.12	1.0	1.8	26.0	3.08	3.5	1,130
	10	7/1.35	4.05	1.0	1.8	29.0	1.83	3.5	1,610
12	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	3.5	530
	2.5	7/0.67	2.01	0.8	1.8	20.0	7.41	3.5	680
	4	7/0.85	2.55	1.0	1.8	24.0	4.61	3.5	1,020
	6	7/1.04	3.12	1.0	1.8	27.0	3.08	3.5	1,320
	10	7/1.35	4.05	1.0	1.8	30.0	1.83	3.5	1,890
15	1.5	7/0.53	1.59	0.8	1.8	19.5	12.1	3.5	630
	2.5	7/0.67	2.01	0.8	1.8	22.0	7.41	3.5	830
	4	7/0.85	2.55	1.0	1.8	26.0	4.61	3.5	1,240
	6	7/1.04	3.12	1.0	1.8	29.0	3.08	3.5	1,620
20	1.5	7/0.53	1.59	0.8	1.8	22.0	12.1	3.5	810
	2.5	7/0.67	2.01	0.8	1.8	24.0	7.41	3.5	1,060
	4	7/0.85	2.55	1.0	1.8	29.0	4.61	3.5	1,610
	6	7/1.04	3.12	1.0	1.8	32.0	3.08	3.5	2,100
30	1.5	7/0.53	1.59	0.8	1.8	26.0	12.1	3.5	1,150
	2.5	7/0.67	2.01	0.8	1.8	28.0	7.41	3.5	1,520
	4	7/0.85	2.55	1.0	1.9	35.0	4.61	3.5	2,350

0.6 / 1kV F-CVV-S, 0.6 / 1kV F-CVV-SB

0.6 / 1kV PVC insulated and Flame retardent PVC sheathed coutrol cable with copper tape shield (0.6 / 1kv F-CVV-S)
0.6 / 1kV PVC insulated and Flame retardent PVC sheathed coutrol cable with copper braid shield (0.6 / 1kv F-CVV-SB)

Application

Type F-CVV-S, 0.6/1kV F-CVV-SB is used for control circuits in underground duct, conduit and open air.

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

Construction

Core Identification

Above 4 core : Numbering code

0.6 / 1kV F-CVV-S, 0.6 / 1kV F-CVV-SB

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20˚C)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	7/0.53	1.59	0.8	1.8	12.0	12.1	3.5	170
	2.5	7/0.67	2.01	0.8	1.8	13.0	7.41	3.5	200
	4	7/0.85	2.55	1.0	1.8	14.5	4.61	3.5	280
	6	7/1.04	3.12	1.0	1.8	16.0	3.08	3.5	340
	10	7/1.35	4.05	1.0	1.8	17.5	1.83	3.5	460
3	1.5	7/0.53	1.59	0.8	1.8	12.5	12.1	3.5	200
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	3.5	250
	4	7/0.85	2.55	1.0	1.8	15.5	4.61	3.5	350
	6	7/1.04	3.12	1.0	1.8	17.0	3.08	3.5	440
	10	7/1.35	4.05	1.0	1.8	18.5	1.83	3.5	600
4	1.5	7/0.53	1.59	0.8	1.8	13.5	12.1	3.5	250
	2.5	7/0.67	2.01	0.8	1.8	14.5	7.41	3.5	310
	4	7/0.85	2.55	1.0	1.8	16.5	4.61	3.5	430
	6	7/1.04	3.12	1.0	1.8	18.0	3.08	3.5	550
	10	7/1.35	4.05	1.0	1.8	20.5	1.83	3.5	760

0.6 / 1kV F-CVV-S, 0.6 / 1kV F-CVV-SB

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
5	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	3.5	290
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	3.5	360
	4	7/0.85	2.55	1.0	1.8	18.0	4.61	3.5	520
	6	7/1.04	3.12	1.0	1.8	19.5	3.08	3.5	660
	10	7/1.35	4.05	1.0	1.8	22.5	1.83	3.5	920
6	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	3.5	330
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	3.5	420
	4	7/0.85	2.55	1.0	1.8	19.5	4.61	3.5	620
	6	7/1.04	3.12	1.0	1.8	21.5	3.08	3.5	780
	10	7/1.35	4.05	1.0	1.8	24.5	1.83	3.5	1,090
7	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	3.5	360
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	3.5	460
	4	7/0.85	2.55	1.0	1.8	19.5	4.61	3.5	670
	6	7/1.04	3.12	1.0	1.8	21.5	3.08	3.5	860
	10	7/1.35	4.05	1.0	1.8	24.5	1.83	3.5	1,210
8	1.5	7/0.53	1.59	0.8	1.8	16.5	12.1	3.5	410
	2.5	7/0.67	2.01	0.8	1.8	17.5	7.41	3.5	520
	4	7/0.85	2.55	1.0	1.8	21.5	4.61	3.5	780
	6	7/1.04	3.12	1.0	1.8	23.5	3.08	3.5	990
	10	7/1.35	4.05	1.0	1.8	26.5	1.83	3.5	1,400
10	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	3.5	500
	2.5	7/0.67	2.01	0.8	1.8	20.5	7.41	3.5	640
	4	7/0.85	2.55	1.0	1.8	24.5	4.61	3.5	950
	6	7/1.04	3.12	1.0	1.8	26.5	3.08	3.5	1,220
	10	7/1.35	4.05	1.0	1.8	30.5	1.83	3.5	1,720
12	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	3.5	570
	2.5	7/0.67	2.01	0.8	1.8	20.5	7.41	3.5	730
	4	7/0.85	2.55	1.0	1.8	25.5	4.61	3.5	1,090
	6	7/1.04	3.12	1.0	1.8	27.5	3.08	3.5	1,400
	10	7/1.35	4.05	1.0	1.8	31.5	1.83	3.5	2,000
15	1.5	7/0.53	1.59	0.8	1.8	20.5	12.1	3.5	680
	2.5	7/0.67	2.01	0.8	1.8	22.5	7.41	3.5	890
	4	7/0.85	2.55	1.0	1.8	27.5	4.61	3.5	1,330
	6	7/1.04	3.12	1.0	1.8	29.5	3.08	3.5	1,720
20	1.5	7/0.53	1.59	0.8	1.8	22.0	12.1	3.5	870
	2.5	7/0.67	2.01	0.8	1.8	25.0	7.41	3.5	1,130
	4	7/0.85	2.55	1.0	1.8	30.0	4.61	3.5	1,710
	6	7/1.04	3.12	1.0	1.8	33.0	3.08	3.5	2,230
30	1.5	7/0.53	1.59	0.8	1.8	26.0	12.1	3.5	1,230
	2.5	7/0.67	2.01	0.8	1.8	29.0	7.41	3.5	1,620
	4	7/0.85	2.55	1.0	1.9	36.0	4.61	3.5	2,480

0.6 / 1kV F-CVV-AMS, 0.6 / 1kV F-CVV-I / CAMS

0.6 / 1kV PVC Insulated and Flame-Retardant PVC Sheathed Control Cable With Aluminum-mylar Tape Shield

Application

Type F-CVV-AMS, F-CVV-I / CAMS are used for control circuits required electrostatic shielding in tray underground duct

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

Construction

Core Identification

Above 4 core : Numbering code
Pair type : White, Black Triad type : White, Black, Red

0.6 / 1kV F-CVV-AMS (Core Type)

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	7/0.53	1.59	0.8	1.8	12.0	12.1	3.5	160
	2.5	7/0.67	2.01	0.8	1.8	13.0	7.41	3.5	190
	4	7/0.85	2.55	1.0	1.8	14.5	4.61	3.5	260
	6	7/1.04	3.12	1.0	1.8	16.0	3.08	3.5	320
	10	7/1.35	4.05	1.0	1.8	17.5	1.83	3.5	430
3	1.5	7/0.53	1.59	0.8	1.8	12.5	12.1	3.5	190
	2.5	7/0.67	2.01	0.8	1.8	13.5	7.41	3.5	240
	4	7/0.85	2.55	1.0	1.8	15.5	4.61	3.5	330
	6	7/1.04	3.12	1.0	1.8	17.0	3.08	3.5	410
	10	7/1.35	4.05	1.0	1.8	18.5	1.83	3.5	570
4	1.5	7/0.53	1.59	0.8	1.8	13.5	12.1	3.5	230
	2.5	7/0.67	2.01	0.8	1.8	14.5	7.41	3.5	290
	4	7/0.85	2.55	1.0	1.8	16.5	4.61	3.5	410
	6	7/1.04	3.12	1.0	1.8	18.0	3.08	3.5	520
	10	7/1.35	4.05	1.0	1.8	20.5	1.83	3.5	720

0.6 / 1kV F-CVV-AMS (Core Type)

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
5	1.5	7/0.53	1.59	0.8	1.8	14.5	12.1	3.5	270
	2.5	7/0.67	2.01	0.8	1.8	15.5	7.41	3.5	340
	4	7/0.85	2.55	1.0	1.8	18.0	4.61	3.5	490
	6	7/1.04	3.12	1.0	1.8	19.5	3.08	3.5	630
	10	7/1.35	4.05	1.0	1.8	22.5	1.83	3.5	870
6	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	3.5	310
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	3.5	400
	4	7/0.85	2.55	1.0	1.8	19.5	4.61	3.5	580
	6	7/1.04	3.12	1.0	1.8	21.5	3.08	3.5	740
	10	7/1.35	4.05	1.0	1.8	24.5	1.83	3.5	1,040
7	1.5	7/0.53	1.59	0.8	1.8	15.5	12.1	3.5	340
	2.5	7/0.67	2.01	0.8	1.8	16.5	7.41	3.5	430
	4	7/0.85	2.55	1.0	1.8	19.5	4.61	3.5	630
	6	7/1.04	3.12	1.0	1.8	21.5	3.08	3.5	810
	10	7/1.35	4.05	1.0	1.8	24.5	1.83	3.5	1,150
8	1.5	7/0.53	1.59	0.8	1.8	16.5	12.1	3.5	390
	2.5	7/0.67	2.01	0.8	1.8	17.5	7.41	3.5	490
	4	7/0.85	2.55	1.0	1.8	21.5	4.61	3.5	730
	6	7/1.04	3.12	1.0	1.8	23.5	3.08	3.5	940
	10	7/1.35	4.05	1.0	1.8	26.5	1.83	3.5	1,330
10	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	3.5	470
	2.5	7/0.67	2.01	0.8	1.8	20.5	7.41	3.5	600
	4	7/0.85	2.55	1.0	1.8	24.5	4.61	3.5	890
	6	7/1.04	3.12	1.0	1.8	26.5	3.08	3.5	1,150
	10	7/1.35	4.05	1.0	1.8	30.5	1.83	3.5	1,640
12	1.5	7/0.53	1.59	0.8	1.8	18.5	12.1	3.5	530
	2.5	7/0.67	2.01	0.8	1.8	20.5	7.41	3.5	690
	4	7/0.85	2.55	1.0	1.8	25.5	4.61	3.5	1,030
	6	7/1.04	3.12	1.0	1.8	27.5	3.08	3.5	1,330
	10	7/1.35	4.05	1.0	1.8	31.5	1.83	3.5	1,910
15	1.5	7/0.53	1.59	0.8	1.8	20.5	12.1	3.5	640
	2.5	7/0.67	2.01	0.8	1.8	22.5	7.41	3.5	830
	4	7/0.85	2.55	1.0	1.8	27.5	4.61	3.5	1,250
	6	7/1.04	3.12	1.0	1.8	29.5	3.08	3.5	1,630
20	1.5	7/0.53	1.59	0.8	1.8	22.0	12.1	3.5	820
	2.5	7/0.67	2.01	0.8	1.8	25.0	7.41	3.5	1,070
	4	7/0.85	2.55	1.0	1.8	30.0	4.61	3.5	1,630
	6	7/1.04	3.12	1.0	1.8	33.0	3.08	3.5	2,130
30	1.5	7/0.53	1.59	0.8	1.8	26.0	12.1	3.5	1,160
	2.5	7/0.67	2.01	0.8	1.8	29.0	7.41	3.5	1,540
	4	7/0.85	2.55	1.0	1.9	36.0	4.61	3.5	2,370

0.6 / 1kV F-CVV-I / CAMS (Pairs Type)

No. of Pairs	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20° C)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	7/0.53	1.59	0.8	1.8	16.0	12.34	3.5	280
	2.5	7/0.67	2.01	0.8	1.8	17.5	7.56	3.5	350
	4	7/0.85	2.55	1.0	1.8	21.0	4.70	3.5	460
3	1.5	7/0.53	1.59	0.8	1.8	17.0	12.34	3.5	340
	2.5	7/0.67	2.01	0.8	1.8	18.5	7.56	3.5	440
	4	7/0.85	2.55	1.0	1.8	22.0	4.70	3.5	590
4	1.5	7/0.53	1.59	0.8	1.8	18.5	12.34	3.5	420
	2.5	7/0.67	2.01	0.8	1.8	20.0	7.56	3.5	540
	4	7/0.85	2.55	1.0	1.8	24.0	4.70	3.5	740
5	1.5	7/0.53	1.59	0.8	1.8	20.0	12.34	3.5	500
	2.5	7/0.67	2.01	0.8	1.8	22.0	7.56	3.5	650
	4	7/0.85	2.55	1.0	1.8	26.5	4.70	3.5	900
6	1.5	7/0.53	1.59	0.8	1.8	21.5	12.34	3.5	580
	2.5	7/0.67	2.01	0.8	1.8	24.0	7.56	3.5	770
	4	7/0.85	2.55	1.0	1.9	29.5	4.70	3.5	1,080
7	1.5	7/0.53	1.59	0.8	1.8	21.5	12.34	3.5	630
	2.5	7/0.67	2.01	0.8	1.8	24.0	7.56	3.5	830
	4	7/0.85	2.55	1.0	1.9	29.5	4.70	3.5	1,170
8	1.5	7/0.53	1.59	0.8	1.8	24.5	12.34	3.5	720
	2.5	7/0.67	2.01	0.8	1.8	27.0	7.56	3.5	960
	4	7/0.85	2.55	1.0	2.0	33.0	4.70	3.5	1,370
10	1.5	7/0.53	1.59	0.8	1.8	27.5	12.34	3.5	880
	2.5	7/0.67	2.01	0.8	1.9	30.5	7.56	3.5	1,190
	4	7/0.85	2.55	1.0	2.2	38.0	4.70	3.5	1,720
12	1.5	7/0.53	1.59	0.8	1.8	28.5	12.34	3.5	1,000
	2.5	7/0.67	2.01	0.8	2.0	32.0	7.56	3.5	1,380
	4	7/0.85	2.55	1.0	2.2	39.5	4.70	3.5	1,970
15	1.5	7/0.53	1.59	0.8	2.0	32.0	12.34	3.5	1,240
	2.5	7/0.67	2.01	0.8	2.1	35.5	7.56	3.5	1,700
	4	7/0.85	2.55	1.0	2.4	44.5	4.70	3.5	2,440
20	1.5	7/0.53	1.59	0.8	2.1	36.0	12.34	3.5	1,610
	2.5	7/0.67	2.01	0.8	2.2	40.0	7.56	3.5	2,210
	4	7/0.85	2.55	1.0	2.5	50.0	4.70	3.5	3,180
30	1.5	7/0.53	1.59	0.8	2.3	42.5	12.34	3.5	2,330
	2.5	7/0.67	2.01	0.8	2.5	48.0	7.56	3.5	3,240
	4	7/0.85	2.55	1.0	2.9	59.5	4.70	3.5	4,680

0.6 / 1kV F-CVV-I / CAMS (Triad Type)

No. of Pairs	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20° C)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	7/0.53	1.59	0.8	1.8	17.5	12.34	3.5	370
	2.5	7/0.67	2.01	0.8	1.8	19.5	7.56	3.5	470
	4	7/0.85	2.55	1.0	1.8	23.5	4.70	3.5	650
3	1.5	7/0.53	1.59	0.8	1.8	19.0	12.34	3.5	470
	2.5	7/0.67	2.01	0.8	1.8	20.5	7.56	3.5	600
	4	7/0.85	2.55	1.0	1.8	25.0	4.70	3.5	830
4	1.5	7/0.53	1.59	0.8	1.8	20.5	12.34	3.5	570
	2.5	7/0.67	2.01	0.8	1.8	22.5	7.56	3.5	750
	4	7/0.85	2.55	1.0	1.8	27.5	4.70	3.5	1,050
5	1.5	7/0.53	1.59	0.8	1.8	22.5	12.34	3.5	690
	2.5	7/0.67	2.01	0.8	1.8	24.5	7.56	3.5	910
	4	7/0.85	2.55	1.0	1.9	30.0	4.70	3.5	1,300
6	1.5	7/0.53	1.59	0.8	1.8	24.5	12.34	3.5	810
	2.5	7/0.67	2.01	0.8	1.8	27.0	7.56	3.5	1,080
	4	7/0.85	2.55	1.0	2.0	33.5	4.70	3.5	1,550
7	1.5	7/0.53	1.59	0.8	1.8	24.5	12.34	3.5	880
	2.5	7/0.67	2.01	0.8	1.8	27.0	7.56	3.5	1,180
	4	7/0.85	2.55	1.0	2.0	33.5	4.70	3.5	1,690
8	1.5	7/0.53	1.59	0.8	1.8	27.5	12.34	3.5	1,010
	2.5	7/0.67	2.01	0.8	1.9	30.5	7.56	3.5	1,370
	4	7/0.85	2.55	1.0	2.2	38.0	4.70	3.5	1,990
10	1.5	7/0.53	1.59	0.8	1.9	31.5	12.34	3.5	1,250
	2.5	7/0.67	2.01	0.8	2.1	35.0	7.56	3.5	1,720
	4	7/0.85	2.55	1.0	2.3	43.5	4.70	3.5	2,470
12	1.5	7/0.53	1.59	0.8	2.0	32.5	12.34	3.5	1,450
	2.5	7/0.67	2.01	0.8	2.1	36.5	7.56	3.5	1,980
	4	7/0.85	2.55	1.0	2.4	45.5	4.70	3.5	2,870
15	1.5	7/0.53	1.59	0.8	2.1	36.5	12.34	3.5	1,770
	2.5	7/0.67	2.01	0.8	2.2	40.5	7.56	3.5	2,420
	4	7/0.85	2.55	1.0	2.6	51.0	4.70	3.5	3,550
20	1.5	7/0.53	1.59	0.8	2.3	41.0	12.34	3.5	2,320
	2.5	7/0.67	2.01	0.8	2.4	46.0	7.56	3.5	3,190
	4	7/0.85	2.55	1.0	2.8	57.5	4.70	3.5	4,660
30	1.5	7/0.53	1.59	0.8	2.5	49.0	12.34	3.5	3,360
	2.5	7/0.67	2.01	0.8	2.7	55.0	7.56	3.5	4,650
	4	7/0.85	2.55	1.0	3.1	68.5	4.70	3.5	6,790

0.6 / 1kV F-FR-8

0.6 / 1kV XLPE Insulated with Fire-Proof Layer and
Flame-Retardant PVC Sheathed Fire-Resistant Power Cable

Application

Type F-FR-8 is used for fire related equipment such as fire alarms, sprinkler system, emergency lighting circuits required Fire-Resistant properties in tray

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kv) up to 30 kV (um = 36kV) ;
part1 : Cables for rated voltages of 1kv (um = 1.2kV) and 3kV (um = 3.6kV)

Special Test

- Fire-Resisting test : 750 / 3hour to IEC 60331
- Flammability test : Vertical Tray Flame Test (VTFT) to IEC 60332-3-24 (Cat.C)

Construction

Fire-Proof Layer : The fire-proof layer shall be applied between the conductor and insulation

Core Identification

0.6 / 1kV F-FR-8 (Single Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20˚C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7/0.53	1.59	0.7	1.4	8.5	12.1	3.5	60
2.5	7/0.67	2.01	0.7	1.4	9.0	7.41	3.5	80
4	7/0.85	2.55	0.7	1.4	9.5	4.61	3.5	100
6	7/1.04	3.12	0.7	1.4	10.0	3.08	3.5	120
10	7/1.35	4.05	0.7	1.4	11.0	1.83	3.5	180
16	*	4.7	0.7	1.4	12.0	1.15	3.5	220
25	*	5.9	0.9	1.4	13.5	0.727	3.5	320
35	*	6.9	0.9	1.4	15.0	0.524	3.5	430
50	*	8.1	1.0	1.4	16.5	0.387	3.5	540
70	*	9.8	1.1	1.5	18.5	0.268	3.5	740
95	*	11.4	1.1	1.5	20.5	0.193	3.5	990
120	*	12.9	1.2	1.6	22.5	0.153	3.5	1,230
150	*	14.4	1.4	1.7	25.0	0.124	3.5	1,530
185	*	15.9	1.6	1.7	27.0	0.0991	3.5	1,890
240	*	18.3	1.7	1.8	30.0	0.0754	3.5	2,450
300	*	20.5	1.8	1.9	33.0	0.0601	3.5	3,040
400	*	23.2	2.0	2.0	36.5	0.0470	3.5	3,860
500	*	26.4	2.2	2.1	41.0	0.0366	3.5	4,920
630	*	30.2	2.4	2.3	46.0	0.0283	3.5	6,320

* Compacted circular

0.6 / 1kV F-FR-8 (2 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7/0.53	1.59	0.7	1.8	14.0	12.1	3.5	130
2.5	7/0.67	2.01	0.7	1.8	15.0	7.41	3.5	170
4	7/0.85	2.55	0.7	1.8	16.0	4.61	3.5	210
6	7/1.04	3.12	0.7	1.8	17.5	3.08	3.5	260
10	7/1.35	4.05	0.7	1.8	19.5	1.83	3.5	350
16	*	4.7	0.7	1.8	21.0	1.15	3.5	470
25	*	5.9	0.9	1.8	24.5	0.727	3.5	680
35	*	6.9	0.9	1.8	26.5	0.524	3.5	910
50	*	8.1	1.0	1.8	30.0	0.387	3.5	1180
70	*	9.8	1.1	1.9	34.5	0.268	3.5	1640
95	*	11.4	1.1	2.0	38.0	0.193	3.5	2210
120	*	12.9	1.2	2.2	42.0	0.153	3.5	2710
150	*	14.4	1.4	2.3	46.5	0.124	3.5	3390
185	*	15.9	1.6	2.4	51.0	0.0991	3.5	4200
240	*	18.3	1.7	2.6	57.5	0.0754	3.5	5,440
300	*	20.5	1.8	2.8	63.0	0.0601	3.5	6,740

0.6 / 1kV F-FR-8 (3 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7/0.53	1.59	0.7	1.8	15.0	12.1	3.5	170
2.5	7/0.67	2.01	0.7	1.8	16.0	7.41	3.5	200
4	7/0.85	2.55	0.7	1.8	17.0	4.61	3.5	270
6	7/1.04	3.12	0.7	1.8	18.5	3.08	3.5	340
10	7/1.35	4.05	0.7	1.8	20.5	1.83	3.5	470
16	*	4.7	0.7	1.8	22.0	1.15	3.5	640
25	*	5.9	0.9	1.8	26.0	0.727	3.5	930
35	*	6.9	0.9	1.8	28.5	0.524	3.5	1,250
50	*	8.1	1.0	1.9	32.0	0.387	3.5	1,600
70	*	9.8	1.1	2.0	37.0	0.268	3.5	2,240
95	*	11.4	1.1	2.1	41.0	0.193	3.5	3,020
120	*	12.9	1.2	2.3	45.5	0.153	3.5	3,850
150	*	14.4	1.4	2.4	50.5	0.124	3.5	4,790
185	*	15.9	1.6	2.6	55.5	0.0991	3.5	5,960
240	*	18.3	1.7	2.8	62.0	0.0754	3.5	7,730
300	*	20.5	1.8	2.9	68.0	0.0601	3.5	9,570

0.6 / 1kV F-FR-8 (4 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7/0.53	1.59	0.7	1.8	16.0	12.1	3.5	190
2.5	7/0.67	2.01	0.7	1.8	17.0	7.41	3.5	250
4	7/0.85	2.55	0.7	1.8	18.5	4.61	3.5	330
6	7/1.04	3.12	0.7	1.8	20.0	3.08	3.5	420
10	7/1.35	4.05	0.7	1.8	22.5	1.83	3.5	600
16	*	4.7	0.7	1.8	24.5	1.15	3.5	820
25	*	5.9	0.9	1.8	28.5	0.727	3.5	1,220
35	*	6.9	0.9	1.8	31.5	0.524	3.5	1,600
50	*	8.1	1.0	2.0	35.5	0.387	3.5	2,110
70	*	9.8	1.1	2.1	41.0	0.268	3.5	2,990
95	*	11.4	1.1	2.3	45.5	0.193	3.5	4,040
120	*	12.9	1.2	2.4	50.5	0.153	3.5	5,050
150	*	14.4	1.4	2.6	56.0	0.124	3.5	6,280
185	*	15.9	1.6	2.7	61.5	0.0991	3.5	7,830
240	*	18.3	1.7	3.0	69.0	0.0754	3.5	10,160
300	*	20.5	1.8	3.2	76.2	0.0601	3.5	12,600

* Compacted circular

F-FR-3

XLPE Insulated and Flame-Retardant PVC Sheathed Heat-Resistant Control and Signal Cable

Application

Type F-FR-3 is used for operation and interconnection of fire alarm and emergency information equipments in tray

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

Special Test

- Fire-Resisting test : 380 /15min
- Flammability Test : Vertical Tray Flame Test (VTFT) to IEC 60332-3-24 (Cat.C)

Construction

Core Identification

F-FR-3 (1st class* Singular)

No. of cores	Conductor		Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight
	Nominal Area	Composition						
	mm²	No. / mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	*	0.7	1.8	11.0	12.1	3.5	140
	2.5	*	0.7	1.8	12.0	7.41	3.5	170
	4	*	0.7	1.8	13.0	4.61	3.5	210
3	1.5	*	0.7	1.8	11.5	12.1	3.5	160
	2.5	*	0.7	1.8	12.5	7.41	3.5	210
	4	*	0.7	1.8	13.5	4.61	3.5	260
4	1.5	*	0.7	1.8	12.0	12.1	3.5	200
	2.5	*	0.7	1.8	13.0	7.41	3.5	250
	4	*	0.7	1.8	14.5	4.61	3.5	320
5	1.5	*	0.7	1.8	13.0	12.1	3.5	230
	2.5	*	0.7	1.8	14.0	7.41	3.5	290
	4	*	0.7	1.8	15.5	4.61	3.5	390
6	1.5	*	0.7	1.8	14.0	12.1	3.5	260
	2.5	*	0.7	1.8	15.0	7.41	3.5	340
	4	*	0.7	1.8	16.5	4.61	3.5	450
7	1.5	*	0.7	1.8	14.0	12.1	3.5	280
	2.5	*	0.7	1.8	15.0	7.41	3.5	360
	4	*	0.7	1.8	16.5	4.61	3.5	490
8	1.5	*	0.7	1.8	15.0	12.1	3.5	320
	2.5	*	0.7	1.8	16.5	7.41	3.5	420
	4	*	0.7	1.8	18.5	4.61	3.5	560
10	1.5	*	0.7	1.8	17.0	12.1	3.5	380
	2.5	*	0.7	1.8	18.5	7.41	3.5	500
	4	*	0.7	1.8	20.5	4.61	3.5	690
12	1.5	*	0.7	1.8	17.5	12.1	3.5	430
	2.5	*	0.7	1.8	19.0	7.41	3.5	570
	4	*	0.7	1.8	21.0	4.61	3.5	780

* 1st class* Singular

F-FR-3 (1st class* Singular)

No. of cores	Conductor		Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight
	Nominal Area	Composition						
	mm²	No. / mm	mm	mm	mm	Ω / km	kV	kg / km
15	1.5	*	0.7	1.8	19.0	12.1	3.5	510
	2.5	*	0.7	1.8	20.5	7.41	3.5	690
	4	*	0.7	1.8	23.0	4.61	3.5	950
20	1.5	*	0.7	1.8	20.5	12.1	3.5	650
	2.5	*	0.7	1.8	23.0	7.41	3.5	880
	4	*	0.7	1.8	25.5	4.61	3.5	1,230
30	1.5	*	0.7	1.8	24.0	12.1	3.5	910
	2.5	*	0.7	1.8	26.5	7.41	3.5	1,250
	4	*	0.7	1.8	29.5	4.61	3.5	1,750

* 1st class* Singular

F-FR-3 (2nd Class Circular)

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3.5	140
	2.5	7/0.67	2.01	0.7	1.8	12.0	7.41	3.5	170
	4	7/0.85	2.55	0.7	1.8	13.5	4.61	3.5	220
3	1.5	7/0.53	1.59	0.7	1.8	12.0	12.1	3.5	170
	2.5	7/0.67	2.01	0.7	1.8	13.0	7.41	3.5	210
	4	7/0.85	2.55	0.7	1.8	14.0	4.61	3.5	270
4	1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3.5	200
	2.5	7/0.67	2.01	0.7	1.8	13.5	7.41	3.5	260
	4	7/0.85	2.55	0.7	1.8	15.0	4.61	3.5	330
5	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3.5	240
	2.5	7/0.67	2.01	0.7	1.8	14.5	7.41	3.5	300
	4	7/0.85	2.55	0.7	1.8	16.0	4.61	3.5	400
6	1.5	7/0.53	1.59	0.7	1.8	14.5	12.1	3.5	270
	2.5	7/0.67	2.01	0.7	1.8	16.0	7.41	3.5	350
	4	7/0.85	2.55	0.7	1.8	17.5	4.61	3.5	460
7	1.5	7/0.53	1.59	0.7	1.8	14.5	12.1	3.5	290
	2.5	7/0.67	2.01	0.7	1.8	16.0	7.41	3.5	380
	4	7/0.85	2.55	0.7	1.8	17.5	4.61	3.5	500
8	1.5	7/0.53	1.59	0.7	1.8	16.0	12.1	3.5	330
	2.5	7/0.67	2.01	0.7	1.8	17.5	7.41	3.5	430
	4	7/0.85	2.55	0.7	1.8	19.0	4.61	3.5	580
10	1.5	7/0.53	1.59	0.7	1.8	17.5	12.1	3.5	400
	2.5	7/0.67	2.01	0.7	1.8	19.5	7.41	3.5	520
	4	7/0.85	2.55	0.7	1.8	21.5	4.61	3.5	710
12	1.5	7/0.53	1.59	0.7	1.8	18.0	12.1	3.5	450
	2.5	7/0.67	2.01	0.7	1.8	20.0	7.41	3.5	590
	4	7/0.85	2.55	0.7	1.8	22.0	4.61	3.5	810
15	1.5	7/0.53	1.59	0.7	1.8	20.0	12.1	3.5	540
	2.5	7/0.67	2.01	0.7	1.8	22.0	7.41	3.5	710
	4	7/0.85	2.55	0.7	1.8	24.5	4.61	3.5	980
20	1.5	7/0.53	1.59	0.7	1.8	22.0	12.1	3.5	680
	2.5	7/0.67	2.01	0.7	1.8	24.0	7.41	3.5	910
	4	7/0.85	2.55	0.7	1.8	27.0	4.61	3.5	1,260
30	1.5	7/0.53	1.59	0.7	1.8	25.0	12.1	3.5	950
	2.5	7/0.67	2.01	0.7	1.8	28.0	7.41	3.5	1,290
	4	7/0.85	2.55	0.7	1.8	31.5	4.61	3.5	1,800

0.6 / 1kV HFCO

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

Application

Type HFCO is used for control, power, and lighting circuits in underground duct, conduit and open air

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

Construction

Core Identification

Above 4 Core : Numbering code
* White may be substituted by a natural color of insulation

0.6 / 1kV HFCO (Single Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7 / 0.53	1.59	0.7	1.4	6.5	12.1	3.5	50
2.5	7 / 0.67	2.01	0.7	1.4	7.0	7.41	3.5	70
4	7 / 0.85	2.55	0.7	1.4	7.5	4.61	3.5	90
6	7 / 1.04	3.12	0.7	1.4	8.0	3.08	3.5	110
10	7 / 1.35	4.05	0.7	1.4	9.0	1.83	3.5	170
16	*	4.7	0.7	1.4	9.5	1.15	3.5	210
25	*	5.9	0.9	1.4	11.0	0.727	3.5	310
35	*	6.9	0.9	1.4	12.0	0.524	3.5	400
50	*	8.1	1.0	1.4	13.5	0.387	3.5	520
70	*	9.8	1.1	1.4	15.5	0.268	3.5	720
95	*	11.4	1.1	1.5	17.5	0.193	3.5	970
120	*	12.9	1.2	1.5	19.0	0.153	3.5	1,210
150	*	14.4	1.4	1.6	21.0	0.124	3.5	1,490
185	*	15.9	1.6	1.6	23.0	0.0991	3.5	1,840
240	*	18.3	1.7	1.7	26.0	0.0754	3.5	2,400
300	*	20.5	1.8	1.8	28.5	0.0601	3.5	2,980
400	*	23.2	2.0	1.9	32.0	0.0470	3.5	3,800
500	*	26.4	2.2	2.0	36.0	0.0366	3.5	4,850
630	*	30.2	2.4	2.2	40.5	0.0283	3.5	6,240

* Compacted circular

0.6 / 1kV HFCO (2 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7 / 0.53	1.59	0.7	1.8	10.5	12.1	3.5	120
2.5	7 / 0.67	2.01	0.7	1.8	11.5	7.41	3.5	150
4	7 / 0.85	2.55	0.7	1.8	12.5	4.61	3.5	190
6	7 / 1.04	3.12	0.7	1.8	13.5	3.08	3.5	240
10	7 / 1.35	4.05	0.7	1.8	15.5	1.83	3.5	330
16	*	4.7	0.7	1.8	16.5	1.15	3.5	450
25	*	5.9	0.9	1.8	20.0	0.727	3.5	660
35	*	6.9	0.9	1.8	22.0	0.524	3.5	880
50	*	8.1	1.0	1.8	25.0	0.387	3.5	1150
70	*	9.8	1.1	1.8	28.5	0.268	3.5	1610
95	*	11.4	1.1	1.9	32.0	0.193	3.5	2170
120	*	12.9	1.2	2.0	35.5	0.153	3.5	2670
150	*	14.4	1.4	2.2	40.0	0.124	3.5	3310
185	*	15.9	1.6	2.3	44.0	0.0991	3.5	4110
240	*	18.3	1.7	2.5	50.0	0.0754	3.5	5340
300	*	20.5	1.8	2.6	55.0	0.0601	3.5	6630

0.6 / 1kV HFCO (3 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7 / 0.53	1.59	0.7	1.8	11.0	12.1	3.5	150
2.5	7 / 0.67	2.01	0.7	1.8	12.0	7.41	3.5	180
4	7 / 0.85	2.55	0.7	1.8	13.0	4.61	3.5	240
6	7 / 1.04	3.12	0.7	1.8	14.5	3.08	3.5	310
10	7 / 1.35	4.05	0.7	1.8	16.5	1.83	3.5	450
16	*	4.7	0.7	1.8	17.5	1.15	3.5	610
25	*	5.9	0.9	1.8	21.0	0.727	3.5	900
35	*	6.9	0.9	1.8	23.5	0.524	3.5	1,210
50	*	8.1	1.0	1.8	26.5	0.387	3.5	1,560
70	*	9.8	1.1	1.9	31.0	0.268	3.5	2,200
95	*	11.4	1.1	2.0	34.5	0.193	3.5	2,970
120	*	12.9	1.2	2.1	38.5	0.153	3.5	3,790
150	*	14.4	1.4	2.3	43.0	0.124	3.5	4,670
185	*	15.9	1.6	2.4	47.5	0.0991	3.5	5,830
240	*	18.3	1.7	2.6	53.5	0.0754	3.5	7,580
300	*	20.5	1.8	2.7	59.0	0.0601	3.5	9,400

0.6 / 1kV HFCO (4 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7 / 0.53	1.59	0.7	1.8	12.0	12.1	3.5	170
2.5	7 / 0.67	2.01	0.7	1.8	13.0	7.41	3.5	220
4	7 / 0.85	2.55	0.7	1.8	14.0	4.61	3.5	290
6	7 / 1.04	3.12	0.7	1.8	15.5	3.08	3.5	380
10	7 / 1.35	4.05	0.7	1.8	17.5	1.83	3.5	570
16	*	4.7	0.7	1.8	19.5	1.15	3.5	790
25	*	5.9	0.9	1.8	23.5	0.727	3.5	1,180
35	*	6.9	0.9	1.8	25.5	0.524	3.5	1,550
50	*	8.1	1.0	1.9	29.5	0.387	3.5	2,060
70	*	9.8	1.1	2.0	34.0	0.268	3.5	2,930
95	*	11.4	1.1	2.1	38.5	0.193	3.5	3,970
120	*	12.9	1.2	2.3	43.0	0.153	3.5	4,980
150	*	14.4	1.4	2.4	48.0	0.124	3.5	6,130
185	*	15.9	1.6	2.6	53.0	0.0991	3.5	7,660
240	*	18.3	1.7	2.8	59.5	0.0754	3.5	9,960
300	*	20.5	1.8	3.0	66.0	0.0601	3.5	12,380

* Compacted circular

6 / 10kV HFCO

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

Application

Type HFCO is used for power and lighting circuits in tray, underground duct and open air in accordance with technical standard for electrical equipments

Standard

IEC 60502-2 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 6kV (Um = 7.2kV) and 30kV (Um = 36kV)

Construction

Core Identification

6 / 10kV HFCO (Single Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
16	*	4.7	3.4	1.5	20	1.15	21	460
25	*	5.9	3.4	1.5	21	0.727	21	570
35	*	6.9	3.4	1.6	22	0.524	21	700
50	*	8.1	3.4	1.6	23	0.387	21	840
70	*	9.8	3.4	1.7	25	0.268	21	1,100
95	*	11.4	3.4	1.7	27	0.193	21	1,380
120	*	12.9	3.4	1.8	28	0.153	21	1,660
150	*	14.4	3.4	1.8	30	0.124	21	1,950
185	*	15.9	3.4	1.9	32	0.0991	21	2,360
240	*	18.3	3.4	2.0	35	0.0754	21	3,010
300	*	20.5	3.4	2.0	37	0.0601	21	3,650
400	*	23.2	3.4	2.2	40	0.0470	21	4,520
500	*	26.4	3.4	2.2	43	0.0366	21	5,650
630	*	30.2	3.4	2.3	48	0.0283	21	7,230

6 / 10kV HFCO 3C TYPE Collective Sheath Type

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm²	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
16	*	4.7	3.4	2.1	39	1.15	21	1,520
25	*	5.9	3.4	2.2	41	0.727	21	1,930
35	*	6.9	3.4	2.3	43	0.524	21	2,320
50	*	8.1	3.4	2.4	46	0.387	21	2,810
70	*	9.8	3.4	2.5	50	0.268	21	3,600
95	*	11.4	3.4	2.6	53	0.193	21	4,530
120	*	12.9	3.4	2.7	57	0.153	21	5,460
150	*	14.4	3.4	2.8	60	0.124	21	6,410
185	*	15.9	3.4	2.9	64	0.0991	21	7,690
240	*	18.3	3.4	3.1	69	0.0754	21	9,900
300	*	20.5	3.4	3.3	74	0.0601	21	12,910

* Compacted circular

0.6 / 1kV HFCCO

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

Application

Type HFCCO is used for control, power, and lighting circuits in underground duct, conduit and open air

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

Construction

Core Identification

Above 4 Core : Numbering code
* White may be substituted by a natural color of insulation

0.6 / 1kV HFCCO

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	7/0.53	1.59	0.7	1.8	10.5	12.1	3.5	130
	2.5	7/0.67	2.01	0.7	1.8	11.5	7.41	3.5	160
	4	7/0.85	2.55	0.7	1.8	12.5	4.61	3.5	200
	6	7/1.04	3.12	0.7	1.8	13.5	3.08	3.5	260
	10	7/1.35	4.05	0.7	1.8	15.5	1.83	3.5	350
3	1.5	7/0.53	1.59	0.7	1.8	11.0	12.1	3.5	160
	2.5	7/0.67	2.01	0.7	1.8	12.0	7.41	3.5	200
	4	7/0.85	2.55	0.7	1.8	13.0	4.61	3.5	260
	6	7/1.04	3.12	0.7	1.8	14.5	3.08	3.5	330
	10	7/1.35	4.05	0.7	1.8	16.5	1.83	3.5	470
4	1.5	7/0.53	1.59	0.7	1.8	12.0	12.1	3.5	190
	2.5	7/0.67	2.01	0.7	1.8	13.0	7.41	3.5	250
	4	7/0.85	2.55	0.7	1.8	14.5	4.61	3.5	320
	6	7/1.04	3.12	0.7	1.8	15.5	3.08	3.5	420
	10	7/1.35	4.05	0.7	1.8	18.0	1.83	3.5	600
5	1.5	7/0.53	1.59	0.7	1.8	13.0	12.1	3.5	230
	2.5	7/0.67	2.01	0.7	1.8	14.0	7.41	3.5	290
	4	7/0.85	2.55	0.7	1.8	15.5	4.61	3.5	380
	6	7/1.04	3.12	0.7	1.8	17.0	3.08	3.5	500
	10	7/1.35	4.05	0.7	1.8	19.5	1.83	3.5	730

0.6 / 1kV HFCCO

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20°C)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
6	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3.5	260
	2.5	7/0.67	2.01	0.7	1.8	15.0	7.41	3.5	340
	4	7/0.85	2.55	0.7	1.8	16.5	4.61	3.5	450
	6	7/1.04	3.12	0.7	1.8	18.5	3.08	3.5	590
	10	7/1.35	4.05	0.7	1.8	21.0	1.83	3.5	850
7	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3.5	270
	2.5	7/0.67	2.01	0.7	1.8	15.0	7.41	3.5	360
	4	7/0.85	2.55	0.7	1.8	16.5	4.61	3.5	480
	6	7/1.04	3.12	0.7	1.8	18.5	3.08	3.5	640
	10	7/1.35	4.05	0.7	1.8	21.0	1.83	3.5	940
8	1.5	7/0.53	1.59	0.7	1.8	15.0	12.1	3.5	320
	2.5	7/0.67	2.01	0.7	1.8	16.5	7.41	3.5	410
	4	7/0.85	2.55	0.7	1.8	18.5	4.61	3.5	550
	6	7/1.04	3.12	0.7	1.8	20.5	3.08	3.5	740
	10	7/1.35	4.05	0.7	1.8	23.5	1.83	3.5	1,090
10	1.5	7/0.53	1.59	0.7	1.8	17.0	12.1	3.5	380
	2.5	7/0.67	2.01	0.7	1.8	18.5	7.41	3.5	500
	4	7/0.85	2.55	0.7	1.8	20.5	4.61	3.5	670
	6	7/1.04	3.12	0.7	1.8	23.0	3.08	3.5	900
	10	7/1.35	4.05	0.7	1.8	26.5	1.83	3.5	1,330
12	1.5	7/0.53	1.59	0.7	1.8	17.5	12.1	3.5	430
	2.5	7/0.67	2.01	0.7	1.8	19.0	7.41	3.5	570
	4	7/0.85	2.55	0.7	1.8	21.5	4.61	3.5	780
	6	7/1.04	3.12	0.7	1.8	23.5	3.08	3.5	1,050
	10	7/1.35	4.05	0.7	1.8	27.5	1.83	3.5	1,560
15	1.5	7/0.53	1.59	0.7	1.8	19.0	12.1	3.5	510
	2.5	7/0.67	2.01	0.7	1.8	21.0	7.41	3.5	690
	4	7/0.85	2.55	0.7	1.8	23.5	4.61	3.5	950
	6	7/1.04	3.12	0.7	1.8	26.0	3.08	3.5	1,280
20	1.5	7/0.53	1.59	0.7	1.8	21.0	12.1	3.5	650
	2.5	7/0.67	2.01	0.7	1.8	23.0	7.41	3.5	880
	4	7/0.85	2.55	0.7	1.8	26.0	4.61	3.5	1,220
	6	7/1.04	3.12	0.7	1.8	29.0	3.08	3.5	1,660
30	1.5	7/0.53	1.59	0.7	1.8	24.0	12.1	3.5	920
	2.5	7/0.67	2.01	0.7	1.8	27.0	7.41	3.5	1,250
	4	7/0.85	2.55	0.7	1.8	30.5	4.61	3.5	1,750

0.6 / 1kV NFR-8

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

Application

Type NFR-8 is used for power, and lighting circuits in underground duct, conduit and open air

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

Construction

Core Identification

Above 4 Core : Numbering code
* White may be substituted by a natural color of insulation

0.6 / 1kV NFR-8 (Single Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7 / 0.53	1.59	0.7	1.4	8.5	12.1	3.5	60
2.5	7 / 0.67	2.01	0.7	1.4	9.0	7.41	3.5	80
4	7 / 0.85	2.55	0.7	1.4	9.5	4.61	3.5	100
6	7 / 1.04	3.12	0.7	1.4	10.0	3.08	3.5	120
10	7 / 1.35	4.05	0.7	1.4	11.0	1.83	3.5	180
16	*	4.7	0.7	1.4	12.0	1.15	3.5	220
25	*	5.9	0.9	1.4	13.5	0.727	3.5	320
35	*	6.9	0.9	1.4	15.0	0.524	3.5	430
50	*	8.1	1.0	1.4	16.5	0.387	3.5	540
70	*	9.8	1.1	1.5	18.5	0.268	3.5	740
95	*	11.4	1.1	1.5	20.5	0.193	3.5	990
120	*	12.9	1.2	1.6	22.5	0.153	3.5	1,230
150	*	14.4	1.4	1.7	25.0	0.124	3.5	1,530
185	*	15.9	1.6	1.7	27.0	0.0991	3.5	1,890
240	*	18.3	1.7	1.8	30.0	0.0754	3.5	2,450
300	*	20.5	1.8	1.9	33.0	0.0601	3.5	3,040
400	*	23.2	2.0	2.0	36.5	0.0470	3.5	3,860
500	*	26.4	2.2	2.1	41.0	0.0366	3.5	4,920
630	*	30.2	2.4	2.3	46.0	0.0283	3.5	6,320

* Compacted circular

0.6 / 1kV NFR-8 (2 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20˚C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7 / 0.53	1.59	0.7	1.8	14.0	12.1	3.5	130
2.5	7 / 0.67	2.01	0.7	1.8	15.0	7.41	3.5	170
4	7 / 0.85	2.55	0.7	1.8	16.0	4.61	3.5	210
6	7 / 1.04	3.12	0.7	1.8	17.5	3.08	3.5	260
10	7 / 1.35	4.05	0.7	1.8	19.5	1.83	3.5	350
16	*	4.7	0.7	1.8	21.0	1.15	3.5	470
25	*	5.9	0.9	1.8	24.5	0.727	3.5	680
35	*	6.9	0.9	1.8	26.5	0.524	3.5	910
50	*	8.1	1.0	1.8	30.0	0.387	3.5	1,180
70	*	9.8	1.1	1.9	34.5	0.268	3.5	1,640
95	*	11.4	1.1	2.0	38.0	0.193	3.5	2,210
120	*	12.9	1.2	2.2	42.0	0.153	3.5	2,710
150	*	14.4	1.4	2.3	46.5	0.124	3.5	3,390
185	*	15.9	1.6	2.4	51.0	0.0991	3.5	4,200
240	*	18.3	1.7	2.6	57.5	0.0754	3.5	5,440
300	*	20.5	1.8	2.8	63.0	0.0601	3.5	6,740

0.6 / 1kV NFR-8 (3 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20˚C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7 / 0.53	1.59	0.7	1.8	15.0	12.1	3.5	170
2.5	7 / 0.67	2.01	0.7	1.8	16.0	7.41	3.5	200
4	7 / 0.85	2.55	0.7	1.8	17.0	4.61	3.5	270
6	7 / 1.04	3.12	0.7	1.8	18.5	3.08	3.5	340
10	7 / 1.35	4.05	0.7	1.8	20.5	1.83	3.5	470
16	*	4.7	0.7	1.8	22.0	1.15	3.5	640
25	*	5.9	0.9	1.8	26.0	0.727	3.5	930
35	*	6.9	0.9	1.8	28.5	0.524	3.5	1,250
50	*	8.1	1.0	1.9	32.0	0.387	3.5	1,600
70	*	9.8	1.1	2.0	37.0	0.268	3.5	2,240
95	*	11.4	1.1	2.1	41.0	0.193	3.5	3,020
120	*	12.9	1.2	2.3	45.5	0.153	3.5	3,850
150	*	14.4	1.4	2.4	50.5	0.124	3.5	4,790
185	*	15.9	1.6	2.6	55.5	0.0991	3.5	5,960
240	*	18.3	1.7	2.8	62.0	0.0754	3.5	7,730
300	*	20.5	1.8	2.9	68.0	0.0601	3.5	9,570

0.6 / 1kV NFR-8 (4 Core)

Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20˚C)	Test Voltage	Approx. Weight
Nominal Area	Composition	Diameter						
mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
1.5	7 / 0.53	1.59	0.7	1.8	16.0	12.1	3.5	190
2.5	7 / 0.67	2.01	0.7	1.8	17.0	7.41	3.5	250
4	7 / 0.85	2.55	0.7	1.8	18.5	4.61	3.5	330
6	7 / 1.04	3.12	0.7	1.8	20.0	3.08	3.5	420
10	7 / 1.35	4.05	0.7	1.8	22.5	1.83	3.5	600
16	*	4.7	0.7	1.8	24.5	1.15	3.5	820
25	*	5.9	0.9	1.8	28.5	0.727	3.5	1,220
35	*	6.9	0.9	1.8	31.5	0.524	3.5	1,600
50	*	8.1	1.0	2.0	35.5	0.387	3.5	2,110
70	*	9.8	1.1	2.1	41.0	0.268	3.5	2,990
95	*	11.4	1.1	2.3	45.5	0.193	3.5	4,040
120	*	12.9	1.2	2.4	50.5	0.153	3.5	5,050
150	*	14.4	1.4	2.6	56.0	0.124	3.5	6,280
185	*	15.9	1.6	2.7	61.5	0.0991	3.5	7,830
240	*	18.3	1.7	3.0	69.0	0.0754	3.5	10,160
300	*	20.5	1.8	3.2	76.0	0.0601	3.5	12,600

* Compacted circular

NFR-3

XLPE insulated and Halogen free flame retardant Poly-Olefin sheathed fire Alarm Cable

Application

Type NFR-3 is used for control in residential, commercial fire alarm

Standard

IEC 60502-1 : Power Cables with extruded insulation and their accessories for rated voltages from 1kV (Um = 1.2kV) up to 30 kV (Um = 36kV) ;
Part1 : Cables for rated voltages of 1kV (Um = 1.2kV) and 3kV (Um = 3.6kV)

Construction

Core Identification

Above 4 Core : Numbering code
* White may be substituted by a natural color of insulation

NFR-3 (1st class* Singular)

No. of cores	Conductor		Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight
	Nominal Area	Composition						
	mm²	No. / mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	*	0.7	1.8	11.0	12.1	3.5	140
	2.5	*	0.7	1.8	12.0	7.41	3.5	170
	4	*	0.7	1.8	13.0	4.61	3.5	210
3	1.5	*	0.7	1.8	11.5	12.1	3.5	160
	2.5	*	0.7	1.8	12.5	7.41	3.5	210
	4	*	0.7	1.8	13.5	4.61	3.5	260
4	1.5	*	0.7	1.8	12.0	12.1	3.5	200
	2.5	*	0.7	1.8	13.0	7.41	3.5	250
	4	*	0.7	1.8	14.5	4.61	3.5	320
5	1.5	*	0.7	1.8	13.0	12.1	3.5	230
	2.5	*	0.7	1.8	14.0	7.41	3.5	290
	4	*	0.7	1.8	15.5	4.61	3.5	390
6	1.5	*	0.7	1.8	14.0	12.1	3.5	260
	2.5	*	0.7	1.8	15.0	7.41	3.5	340
	4	*	0.7	1.8	16.5	4.61	3.5	450
7	1.5	*	0.7	1.8	14.0	12.1	3.5	280
	2.5	*	0.7	1.8	15.0	7.41	3.5	360
	4	*	0.7	1.8	16.5	4.61	3.5	490
8	1.5	*	0.7	1.8	15.0	12.1	3.5	320
	2.5	*	0.7	1.8	16.5	7.41	3.5	420
	4	*	0.7	1.8	18.5	4.61	3.5	560
10	1.5	*	0.7	1.8	17.0	12.1	3.5	380
	2.5	*	0.7	1.8	18.5	7.41	3.5	500
	4	*	0.7	1.8	20.5	4.61	3.5	690
12	1.5	*	0.7	1.8	17.5	12.1	3.5	430
	2.5	*	0.7	1.8	19.0	7.41	3.5	570
	4	*	0.7	1.8	21.0	4.61	3.5	780

* 1st class* Singular

NFR-3 (1st class* Singular)

No. of cores	Conductor		Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight
	Nominal Area	Composition						
	mm^2	No. / mm	mm	mm	mm	Ω / km	kV	kg / km
15	1.5	*	0.7	1.8	19.0	12.1	3.5	510
	2.5	*	0.7	1.8	20.5	7.41	3.5	690
	4	*	0.7	1.8	23.0	4.61	3.5	950
20	1.5	*	0.7	1.8	20.5	12.1	3.5	650
	2.5	*	0.7	1.8	23.0	7.41	3.5	880
	4	*	0.7	1.8	25.5	4.61	3.5	1,230
30	1.5	*	0.7	1.8	24.0	12.1	3.5	910
	2.5	*	0.7	1.8	26.5	7.41	3.5	1,250
	4	*	0.7	1.8	29.5	4.61	3.5	1,750

* 1st class* Singular

NFR-3 (2nd class Cirsuar)

No. of cores	Conductor			Insulation Thiclcness	Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Test Voltage	Approx. Weight
	Nominal Area	Composition	Diameter						
	mm^2	No. / mm	mm	mm	mm	mm	Ω / km	kV	kg / km
2	1.5	7/0.53	1.59	0.7	1.8	11.5	12.1	3.5	140
	2.5	7/0.67	2.01	0.7	1.8	12.0	7.41	3.5	170
	4	7/0.85	2.55	0.7	1.8	13.5	4.61	3.5	220
3	1.5	7/0.53	1.59	0.7	1.8	12.0	12.1	3.5	170
	2.5	7/0.67	2.01	0.7	1.8	13.0	7.41	3.5	210
	4	7/0.85	2.55	0.7	1.8	14.0	4.61	3.5	270
4	1.5	7/0.53	1.59	0.7	1.8	12.5	12.1	3.5	200
	2.5	7/0.67	2.01	0.7	1.8	13.5	7.41	3.5	260
	4	7/0.85	2.55	0.7	1.8	15.0	4.61	3.5	330
5	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	3.5	240
	2.5	7/0.67	2.01	0.7	1.8	14.5	7.41	3.5	300
	4	7/0.85	2.55	0.7	1.8	16.0	4.61	3.5	400
6	1.5	7/0.53	1.59	0.7	1.8	14.5	12.1	3.5	270
	2.5	7/0.67	2.01	0.7	1.8	16.0	7.41	3.5	350
	4	7/0.85	2.55	0.7	1.8	17.5	4.61	3.5	460
7	1.5	7/0.53	1.59	0.7	1.8	14.5	12.1	3.5	290
	2.5	7/0.67	2.01	0.7	1.8	16.0	7.41	3.5	380
	4	7/0.85	2.55	0.7	1.8	17.5	4.61	3.5	500
8	1.5	7/0.53	1.59	0.7	1.8	16.0	12.1	3.5	330
	2.5	7/0.67	2.01	0.7	1.8	17.5	7.41	3.5	430
	4	7/0.85	2.55	0.7	1.8	19.0	4.61	3.5	580
10	1.5	7/0.53	1.59	0.7	1.8	17.5	12.1	3.5	400
	2.5	7/0.67	2.01	0.7	1.8	19.5	7.41	3.5	520
	4	7/0.85	2.55	0.7	1.8	21.5	4.61	3.5	710
12	1.5	7/0.53	1.59	0.7	1.8	18.0	12.1	3.5	450
	2.5	7/0.67	2.01	0.7	1.8	20.0	7.41	3.5	590
	4	7/0.85	2.55	0.7	1.8	22.0	4.61	3.5	810
15	1.5	7/0.53	1.59	0.7	1.8	20.0	12.1	3.5	540
	2.5	7/0.67	2.01	0.7	1.8	22.0	7.41	3.5	710
	4	7/0.85	2.55	0.7	1.8	24.5	4.61	3.5	980
20	1.5	7/0.53	1.59	0.7	1.8	22.0	12.1	3.5	680
	2.5	7/0.67	2.01	0.7	1.8	24.0	7.41	3.5	910
	4	7/0.85	2.55	0.7	1.8	27.0	4.61	3.5	1,260
30	1.5	7/0.53	1.59	0.7	1.8	25.0	12.1	3.5	950
	2.5	7/0.67	2.01	0.7	1.8	28.0	7.41	3.5	1,290
	4	7/0.85	2.55	0.7	1.8	31.5	4.61	3.5	1,800

TIV

Indoor PVC Insulated Telephone Wire

Application

Type TIV is used as distribution line between a protector and a telephone connector of subscriber's line and for wiring between electric bells of party line

Standard

*** LS standard** : 8mm PVC insulated indoor telephone wire

Construction

Color

Sky-blue

TIV (1st class* Singular)

No.of cores	Conductor Diameter	Insulation Thiclcness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Insulation Resistance (20℃)
	mm	mm	mm	Ω / km	MΩ . km
2	0.8	0.6	2.0 × 4.2	34.3	60
2	1.0	0.8	2.6 × 5.4	21.95	60
3	0.8	0.6	2.0 × 6.4	34.3	60
3	1.0	0.8	2.6 × 8.2	21.95	60

TJV

PVC Insulated Telephone Jumper Wire

Application

Type TJV is used for low energy circuit not more than 100V

Standard

LS Standard

Construction

Core Identification

TJV (1st class* Singular)

No.of cores	Conductor Diameter	Insulation Thiclcness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Insulation Resistance (20℃)
	mm	mm	mm	Ω / km	MΩ .km
2	1.0	0.8	5.2	23.26	50
3	1.0	0.8	5.6	23.26	50

CPEV

PE insulated, PVC sheathed pair cable for telephone

Application

This cable is used for subscriber distribution network in local exchange area and usually duct

Standard

KS C 3603 & LS CABLE Std

Construction

Twist : Two colored insulated conductors twisted into pairs

Standing : Pairs are assembled into the layer and units required for the cable make-up

CPEV 0.9mm (1st class* Singular)

No. of Pairs	Conductor diameter	Insulation Thiclcness Construction	연합 Diameter	Sheath Thickness	Approx.Ovevall Diameter	Approx. Weight
	mm	mm	mm	mm	mm	kg / km
5	0.9	0.4	9.0	1.5	12.0	165
6	0.9	0.4	10.5	1.5	13.5	201
7	0.9	0.4	10.5	1.5	13.5	216
10	0.9	0.4	12.0	1.5	15.0	280
15	0.9	0.4	15.0	1.5	18.0	377
20	0.9	0.4	17.0	1.5	20.0	471
25	0.9	0.4	19.0	1.6	22.0	571
30	0.9	0.4	21.0	1.6	24.0	654
40	0.9	0.4	23.0	1.7	26.0	834
50	0.9	0.4	25.0	1.8	29.0	1,031
60	0.9	0.4	28.0	1.9	32.0	1,207
70	0.9	0.4	30.0	2.0	34.0	1,394
75	0.9	0.4	30.5	2.0	34.5	1,482
80	0.9	0.4	32.0	2.0	36.0	1,561
100	0.9	0.4	36.0	2.2	40.0	1,935
120	0.9	0.4	38.5	2.2	43.0	2,271
125	0.9	0.4	39.0	2.2	43.5	2,354
150	0.9	0.4	43.5	2.4	48.5	2,804
175	0.9	0.4	47.0	2.5	52.0	3,240
200	0.9	0.4	51.0	2.7	56.0	3,689
250	0.9	0.4	57.0	2.8	62.5	4,571
300	0.9	0.4	61.5	2.9	67.5	5,411

CPEV 0.5mm (1st class* Singular)

No. of Pairs	Conductor diameter	Insulation Thiclcness	연합 Diameter	Sheath Thickness	Approx.Ovevall Diameter	Approx. Weight
	mm	mm	mm	mm	mm	kg / km
5	0.5	0.3	7.0	1.5	10.0	87
6	0.5	0.3	7.5	1.5	10.5	109
7	0.5	0.3	7.5	1.5	10.5	114
10	0.5	0.3	9.0	1.5	12.0	123
15	0.5	0.3	10.0	1.5	13.0	175
20	0.5	0.3	11.0	1.5	14.0	210
25	0.5	0.3	12.0	1.5	15.0	243
30	0.5	0.3	13.0	1.5	16.0	277
40	0.5	0.3	15.0	1.5	18.0	343
50	0.5	0.3	17.0	1.5	20.0	405
60	0.5	0.3	19.0	1.6	22.0	475
75	0.5	0.3	20.5	1.6	23.5	563
80	0.5	0.3	22.0	1.6	25.0	595
100	0.5	0.3	23.0	1.7	26.0	723
120	0.5	0.3	24.5	1.7	28.0	838
125	0.5	0.3	25.0	1.8	29.0	877
150	0.5	0.3	27.5	1.9	31.5	1,038
175	0.5	0.3	30.0	2.0	34.0	1,192
200	0.5	0.3	32.0	2.0	36.0	1,336
250	0.5	0.3	35.5	2.2	40.0	1,657
300	0.5	0.3	38.5	2.2	43.0	1,929
350	0.5	0.3	41.5	2.4	46.0	2,235
400	0.5	0.3	44.0	2.4	49.0	2,516
500	0.5	0.3	49.0	2.6	54.0	3,110
600	0.5	0.3	53.5	2.7	59.0	3,676

CPEV 0.65mm (1st class* Singular)

No. of Pairs	Conductor diameter	Insulation Thiclcness	연합 Diameter	Sheath Thickness	Approx.Ovevall Diameter	Approx. Weight
	mm	mm	mm	mm	mm	kg / km
5	0.65	0.3	8.0	1.5	11.0	108
10	0.65	0.3	10.0	1.5	13.0	179
15	0.65	0.3	11.0	1.5	14.0	234
20	0.65	0.3	13.0	1.5	16.0	288
25	0.65	0.3	14.0	1.5	17.0	337
30	0.65	0.3	16.0	1.5	19.0	386
40	0.65	0.3	18.0	1.5	21.0	485
50	0.65	0.3	20.0	1.6	23.0	589
60	0.65	0.3	21.0	1.6	24.0	682
70	0.65	0.3	22.0	1.6	25.0	777
75	0.65	0.3	23.0	1.7	26.0	826
80	0.65	0.3	23.5	1.7	27.0	880
100	0.65	0.3	26.0	1.9	30.0	1,082
150	0.65	0.3	32.5	2.0	36.5	1,548
200	0.65	0.3	37.0	2.2	41.0	2,025
250	0.65	0.3	41.0	2.4	46.0	2,519
300	0.65	0.3	44.5	2.4	49.5	2,955

UTP

Unshielded Twisted Pair Cable

Application

Type UTP is suitable for voice and data transmission performances

Standard

ANSI / TIA / EIA 568A
ISO / IEC-11801
UL444,444 (13)
UL1581(CM),UL1666 (CMR)

Construction

UTP Category 5 CM/CMR / CMP

No. of Pairs	Conductor Diameter	Approx.Ovevall Diameter	Approx. Weight	Packing Method
	mm	mm	kg / 300m	
4	0.5	5.0	9	BOX
25	0.5	13.0	5.5	드럼

UTP Category 3 CM

No. of Pairs	Conductor Diameter	Approx.Ovevall Diameter	Approx. Weight	Packing Method
	mm	mm	kg / 300m	
25	0.5	9.5	40	드럼
50	0.5	13.0	80	드럼
100	0.5	18.0	150	드럼
200	0.5	24.0	290	드럼
300	0.5	30.0	420	드럼
400	0.5	35.0	560	드럼

5C-HFBT, 7C-HFBT, 10C-HFBT

Satellite Television Receivers

Application

For connection of receivers for television including satellite broadcasting service and associated equipment

Construction

Internal Conductor : Solid copper wire(A)
External Conductor : Al/Mylar tape (both sides aluminum foil) tin coated
annealed copper braid and Al Mylar tape (single side aluminum foil)

5C-HFBT, 7C-HFBT, 10C-HFBT

Product Model	Inner Conductor			Insulation		Outer conductor	Sheath		Characteristic Impedance	Capaciatance(nom.)	Attenuation	
	Type	Diameter	Material	Thiclcness	diameter	Construction	Thiclcness (nom.)	diameter			250MHz	over 770MHz
mm^2		mm		mm	mm		mm	mm	Ω	pF/m	dB / km	dB / km
5C-HFBT	Solid Wire	1.2	PE	1.90	5.0	*	0.85	7.5	75±3	55	under99	under185
7C-HFBT	Solid Wire	1.8	PE	2.75	7.3	*	1.07	10.2	75±3	55	under71	under124
10C-HFBT	Solid Wire	2.4	PE	3.50	9.4	*	1.11	12.6	75±3	55	under54	under99

*AL/Mylar+Braid+AL/Mylar

ECX

Polyethylene insulated Coaxial cable

Application

Used in high-frequency circuits of TV set or electronic equipment

Standard

KS C 3610

LS cable Standard

Construction

PE PVC

COAXIAL CABLE

ECX

Product Model	Inner Conductor		Insulation Thiclcness	Outer conductor		Sheath Thickness	Approx.Ovevall Diameter	D.C Conductor Resistance (20℃)	Capaciatance (1kHz)	Attenuation (10MHz)
	Wire Composition	Diameter		Sheath Composition	타수					
		mm		No. / mm		mm	mm	Ω / km	(nF/km)	(dB/km)
5D-2V	7/0.18	0.54	0.53	5/0.10	16	0.4	2.9±0.4	110	104±5	85
5D-2V	1/0.8	0.8	0.95	7/0.12	16	0.5	4.3±0.5	35.9	100±5	45
3D-2V	7/0.32	0.96	1.02	8/0.14	16	0.8	5.3±0.5	33.3	100±4	47
5D-2V	1/1.4	1.4	1.7	10/0.14	16	0.9	7.3±0.5	11.7	100±4	27
8D-2V	7/0.8	2.4	2.7	10/0.18	16	1.2	11.1±0.5	5.13	100±4	20
10D-2V	1/2.9	2.9	3.4	10/0.20	16	1.2	13.1±0.6	2.67	102±4	14
5C-2V	1/0.4	0.4	1.0	6/0.12	16	0.5	4.0±0.5	145	69±4	52
3C-2V	1/0.5	0.5	1.3	8/1.04	16	0.8	5.4±0.5	91.4	67±3	42
3C-2VS	7/0.18	0.54	1.28	8/0.14	16	0.8	5.4±0.5	100	67±3	48
5C-2V	1/0.8	0.8	2.05	10/0.14	16	0.9	7.4±0.5	35.9	67±3	27
7C-2V	7/0.4	1.2	3.05	10/0.18	16	1.1	10.4±0.5	20.7	67±3	22
10C-2V	7/0.5	1.5	3.95	10/0.20	16	1.3	13.0±0.6	13.1	67±3	18

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