

0.6/1kV CV-FD

0.6/1kV. 90°C CROSS-LINKED POLYETHYLENE INSULATED.

PVC SHEATHED FLAME RETARDANT POWER CABLE, SINGLE CORE



APPLICATION

- Use for general purpose
- Install in duct in ground or direct burial in ground

TESTING VOLTAGE : 3,500 Volts

REFERENCE STANDARD :

IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3 Cat.C
TIS 2143-2546

CABLE STRUCTURE

CONDUCTOR : Concentric stranded and compacted round annealed copper
Size 1.5 - 800 mm²

INSULATION : Cross-linked polyethylene (XLPE)

SHEATHED :

Black polyvinyl chloride type PVC/ST2

CORE IDENTIFICATION :

Natural color (Translucent)

CLASSIFICATION

Maximum Conductor Temperature : 90°C

Circuit Voltage does not exceed

0.6/1 kV (U_0/U)

600 Volts between Line to Earth (U_0)

1,000 Volts between Line to Line (U)

Technical Data

Nominal cross sectional area	Diameter (approx.)	Nominal insulation thickness	Nominal sheathed thickness	Overall diameter (approx.)	Maximum conductor resistance at 20°C	Minimum insulation resistance at 20°C	Current rating		Cable weight (approx.)	Standard packing
							in free air at 40°C ambient	direct burial in ground at 30°C		
mm ²	mm	mm	mm	mm	Ω/km	MΩ·km	A	A	kg/km	m
1.5	1.50	0.7	1.4	6.3	12.1	2,550	27	33	50	500/D
2.5	1.98	0.7	1.4	6.8	7.41	2,100	38	43	60	500/D
4	2.49	0.7	1.4	7.3	4.61	1,700	54	55	80	500/D
6	3.09	0.7	1.4	7.9	3.08	1,450	68	70	100	500/D
10	3.72	0.7	1.4	8.4	1.83	1,250	90	92	140	500/D
16	4.69	0.7	1.4	9.4	1.15	1,000	124	119	200	500/D
25	5.90	0.9	1.4	11.0	0.727	1,050	166	152	300	500/D
35	6.95	0.9	1.4	12.0	0.524	900	206	184	400	500/D
50	8.33	1.0	1.4	13.5	0.387	850	250	217	500	500/D
70	9.73	1.1	1.4	16.0	0.268	800	321	266	750	500/D
95	11.43	1.1	1.5	18.2	0.193	700	391	318	1,000	500/D
120	12.95	1.2	1.5	19.9	0.153	650	455	362	1,200	500/D
150	14.27	1.4	1.6	22.1	0.124	700	525	406	1,500	500/D
185	15.98	1.6	1.6	23.0	0.0991	700	602	459	1,900	500/D
240	18.47	1.7	1.7	26.5	0.0754	650	711	533	2,500	500/D
300	20.68	1.8	1.8	29.0	0.0601	600	821	601	3,100	500/D
400	23.39	2.0	1.9	32.0	0.0470	600	987	684	3,900	500/D
500	26.67	2.2	2.0	36.0	0.0366	600	1,140	777	5,000	500/D
630	30.22	2.4	2.2	40.0	0.0283	550	1,298	945	6,500	300/D
800	34.00	2.6	2.3	46.0	0.0221	550	1,494	1,060	8,500	300/D

D : Packing in drum

การใช้งาน

- ใช้งานทั่วไป
- รอยต่อฝังดินหรือฝังดินโดยตรง

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0.6/1kV CV-FD

0.6/1kV. 90°C CROSS-LINKED POLYETHYLENE INSULATED.
PVC SHEATHED FLAME RETARDANT POWER CABLE, 2 CORES



APPLICATION

- Use for general purpose
- Install in duct in ground or direct burial in ground

TESTING VOLTAGE : 3,500 Volts

REFERENCE STANDARD :

IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3 Cat.C
TIS 2143-2546

CABLE STRUCTURE

CONDUCTOR : Concentric stranded and compacted round annealed copper

Size 1.5 - 400 mm²

INSULATION : Cross-linked polyethylene (XLPE)

FILLER : PP yarn

BINDING TAPE : Spunbond tape or polyester tape

SHEATHED : Black polyvinyl chloride type PVC/ST2

CLASSIFICATION

Maximum Conductor Temperature : 90°C

Circuit Voltage does not exceed

0.6/1 kV (U_0/U)

600 Volts between Line to Earth (U_0)

1,000 Volts between Line to Line (U)

Technical Data

Nominal cross sectional area	Diameter (approx.)	Nominal insulation thickness	Nominal sheathed thickness	Overall diameter (approx.)	Maximum conductor resistance at 20°C	Minimum insulation resistance at 20°C	Current rating		Cable weight (approx.)	Standard packing
							in free air at 40°C ambient	direct burial in ground at 30°C		
mm ²	mm	mm	mm	mm	Ω/km	MΩ·km	A	A	kg/km	m
1.5	1.50	0.7	1.8	11.0	12.1	2,550	21	33	130	500/D
2.5	1.98	0.7	1.8	11.5	7.41	2,100	29	43	160	500/D
4	2.49	0.7	1.8	12.5	4.61	1,700	38	55	200	500/D
6	3.09	0.7	1.8	14.0	3.08	1,450	49	70	260	500/D
10	3.72	0.7	1.8	15.0	1.83	1,250	68	92	340	500/D
16	4.69	0.7	1.8	17.0	1.15	1,000	91	119	480	500/D
25	5.90	0.9	1.8	21.0	0.727	1,050	116	152	700	500/D
35	6.95	0.9	1.8	23.0	0.524	900	144	184	900	500/D
50	8.33	1.0	1.8	26.0	0.387	850	175	217	1,200	500/D
70	9.73	1.1	1.8	29.0	0.268	800	224	266	1,700	500/D
95	11.43	1.1	2.0	33.0	0.193	700	271	318	2,300	500/D
120	12.95	1.2	2.1	37.0	0.153	650	315	362	2,800	500/D
150	14.27	1.4	2.2	41.0	0.124	700	363	406	3,500	500/D
185	15.98	1.6	2.3	45.0	0.0991	700	415	459	4,300	500/D
240	18.47	1.7	2.5	51.0	0.0754	650	490	533	5,500	500/D
300	20.68	1.8	2.7	56.0	0.0601	600	565	601	7,000	300/D
400	23.39	2.0	2.9	63.0	0.0470	600	678	684	9,000	300/D

D : Packing in drum

Core Color : Blue, Brown

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0.6/1kV CV-FD

0.6/1kV. 90°C CROSS-LINKED POLYETHYLENE INSULATED.

PVC SHEATHED FLAME RETARDANT POWER CABLE, 3 CORES



APPLICATION

- Use for general purpose
- Install in duct in ground or direct burial in ground

TESTING VOLTAGE : 3,500 Volts

REFERENCE STANDARD :

IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3 Cat.C
TIS 2143-2546

CABLE STRUCTURE

CONDUCTOR : Concentric stranded and compacted round annealed copper
Size 1.5 - 400 mm²

INSULATION : Cross-linked polyethylene (XLPE)

FILLER : PP yarn

BINDING TAPE : Spunbond tape or polyester tape

SHEATHED : Black polyvinyl chloride type PVC/ST2

CLASSIFICATION

Maximum Conductor Temperature : 90°C

Circuit Voltage does not exceed

0.6/1 kV (U_0/U)

600 Volts between Line to Earth (U_0)

1,000 Volts between Line to Line (U)

Technical Data

Nominal cross sectional area	Diameter (approx.)	Nominal insulation thickness	Nominal sheathed thickness	Overall diameter (approx.)	Maximum conductor resistance at 20°C	Minimum insulation resistance at 20°C	Current rating		Cable weight (approx.)	Standard packing
							in free air at 40°C ambient	direct burial in ground at 30°C		
mm ²	mm	mm	mm	mm	Ω/km	MΩ·km	A	A	kg/km	m
1.5	1.50	0.7	1.8	11.5	12.1	2,550	21	33	150	500/D
2.5	1.98	0.7	1.8	12.5	7.41	2,100	29	43	190	500/D
4	2.49	0.7	1.8	13.5	4.61	1,700	38	55	240	500/D
6	3.09	0.7	1.8	14.5	3.08	1,450	49	70	320	500/D
10	3.72	0.7	1.8	16.0	1.83	1,250	68	92	440	500/D
16	4.69	0.7	1.8	18.0	1.15	1,000	91	119	650	500/D
25	5.90	0.9	1.8	22.0	0.727	1,050	116	152	950	500/D
35	6.95	0.9	1.8	24.0	0.524	900	144	184	1,300	500/D
50	8.33	1.0	1.8	27.0	0.387	850	175	217	1,600	500/D
70	9.73	1.1	1.9	31.0	0.268	800	224	266	2,300	500/D
95	11.43	1.1	2.0	36.0	0.193	700	271	318	3,100	500/D
120	12.95	1.2	2.1	39.0	0.153	650	315	362	4,000	500/D
150	14.27	1.4	2.3	44.0	0.124	700	363	406	4,900	500/D
185	15.98	1.6	2.4	49.0	0.0991	700	415	459	6,000	500/D
240	18.47	1.7	2.6	55.0	0.0754	650	490	533	8,000	500/D
300	20.68	1.8	2.8	61.0	0.0601	600	565	601	10,000	300/D
400	23.39	2.0	3.1	68.0	0.0470	600	678	684	12,500	300/D

D : Packing in drum

Core Color : Brown, Black, Grey

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0.6/1kV CV-FD

0.6/1kV. 90°C CROSS-LINKED POLYETHYLENE INSULATED.

PVC SHEATHED FLAME RETARDANT POWER CABLE, 4 CORES



APPLICATION

- Use for general purpose
- Install in duct in ground or direct burial in ground

TESTING VOLTAGE : 3,500 Volts

REFERENCE STANDARD :

IEC 60502-1
IEC 60228
IEC 60332-1
IEC 60332-3 Cat.C
TIS 2143-2546

CABLE STRUCTURE

CONDUCTOR : Concentric stranded and compacted round annealed copper

Size 1.5 - 400 mm²

INSULATION : Cross-linked polyethylene (XLPE)

FILLER : PP yarn

BINDING TAPE : Spunbond tape or polyester tape

SHEATHED : Black polyvinyl chloride type PVC/ST2

CLASSIFICATION

Maximum Conductor Temperature : 90°C

Circuit Voltage does not exceed

0.6/1 kV (U_0/U)

600 Volts between Line to Earth (U_0)

1,000 Volts between Line to Line (U)

Technical Data

Nominal cross sectional area	Diameter (approx.)	Nominal insulation thickness	Nominal sheathed thickness	Overall diameter (approx.)	Maximum conductor resistance at 20°C	Minimum insulation resistance at 20°C	Current rating		Cable weight (approx.)	Standard packing
							in free air at 40°C ambient	direct burial in ground at 30°C		
mm ²	mm	mm	mm	mm	Ω/km	MΩ·km	A	A	kg/km	m
1.5	1.50	0.7	1.8	12.0	12.1	2,550	21	33	180	500/D
2.5	1.98	0.7	1.8	13.0	7.41	2,100	29	43	230	500/D
4	2.49	0.7	1.8	14.5	4.61	1,700	38	55	300	500/D
6	3.09	0.7	1.8	16.0	3.08	1,450	49	70	400	500/D
10	3.72	0.7	1.8	17.5	1.83	1,250	68	92	550	500/D
16	4.69	0.7	1.8	20.0	1.15	1,000	91	119	800	500/D
25	5.90	0.9	1.8	24.0	0.727	1,050	116	152	1,200	500/D
35	6.95	0.9	1.8	27.0	0.524	900	144	184	1,600	500/D
50	8.33	1.0	1.9	30.0	0.387	850	175	217	2,200	500/D
70	9.73	1.1	2.0	35.0	0.268	800	224	266	3,000	500/D
95	11.43	1.1	2.1	39.0	0.193	700	271	318	4,100	500/D
120	12.95	1.2	2.3	44.0	0.153	650	315	362	5,000	500/D
150	14.27	1.4	2.4	49.0	0.124	700	363	406	6,500	500/D
185	15.98	1.6	2.6	54.0	0.0991	700	415	459	8,000	500/D
240	18.47	1.7	2.8	61.0	0.0754	650	490	533	10,500	500/D
300	20.68	1.8	3.0	68.0	0.0601	600	565	601	13,000	300/D
400	23.39	2.0	3.3	76.0	0.0470	600	678	684	16,500	300/D

D : Packing in drum

Core Color : Blue, Brown, Black, Grey

การใช้งาน

- ใช้งานทั่วไป
- รอยต่อฝังดินหรือฝังดินโดยตรง