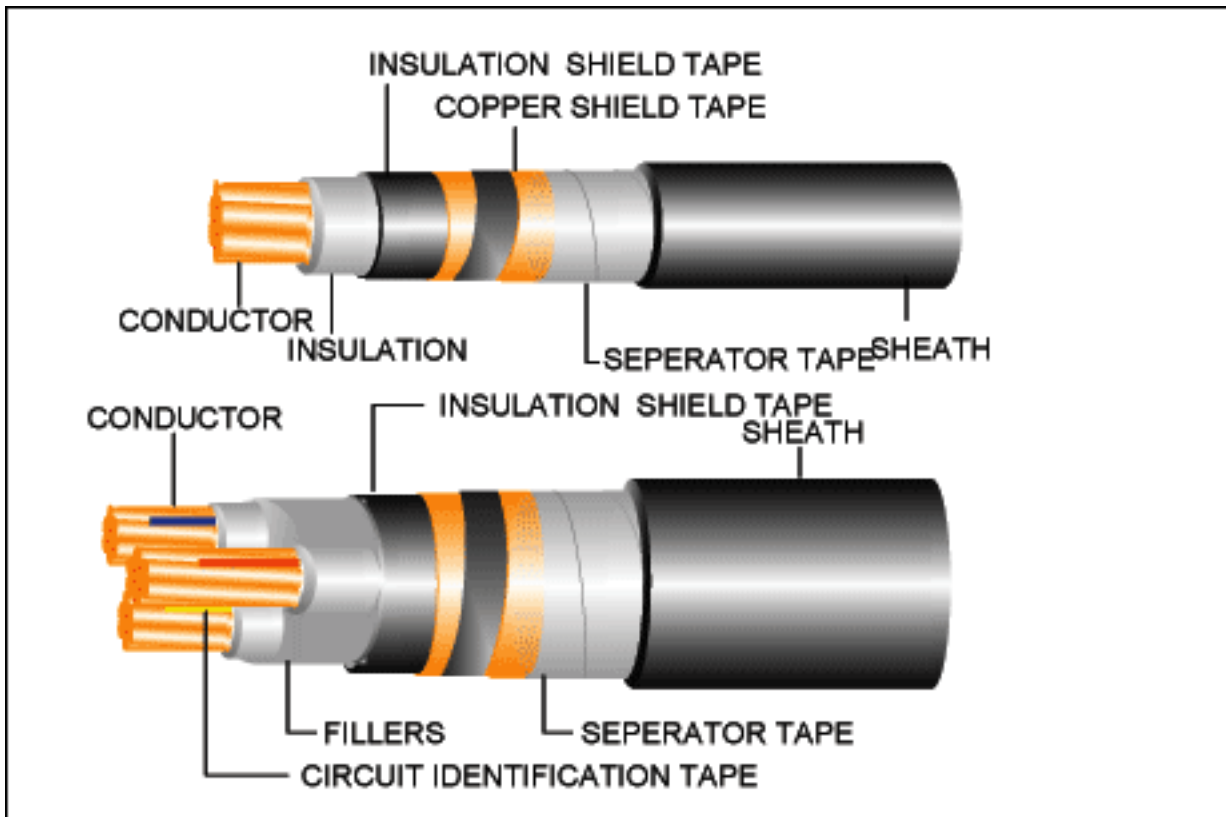


## 1.8 /3(3.6) KV-CV

### 1.8/3 kV 90° C CROSS-LINKED POLYETHYLENE INSULATED AND PVC SHEATHED POWER CABLE



### CABLE STRUCTURE

<b>NUMBER OF CORE</b>	: Single and 3 cores
<b>CONDUCTOR</b>	: Compact round stranded annealed copper, Sizes. 10 mm <sup>2</sup> up to 1,000 mm <sup>2</sup>
<b>INSULATION</b>	: Cross-linked polyethylene Color: Natural (Translucent) Core identification: Color tape White, Red and Blue
<b>SHEATH</b>	: PVC Color: Black
<b>SHIELD</b>	: Copper tape, thickness 0.1 mm
<b>CLASSIFICATION</b>	: Maximum conductor temperature 90° C Circuit voltage not exceeding 3,600 volts
<b>TESTING VOLTAGE</b>	: 6,500 volts
<b>REFERENCE</b>	: IEC 60502-1

# 1.8/3(3.6) KV-CV

IEC 60502-1

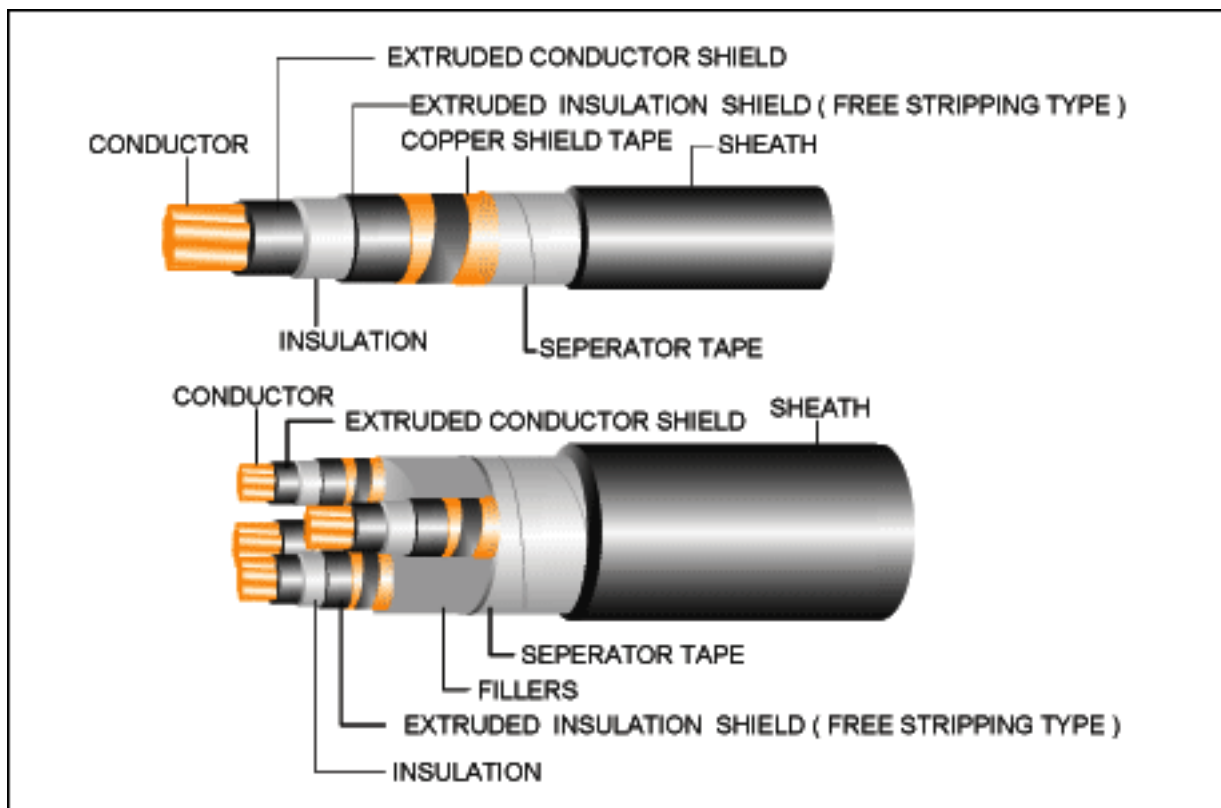
Number of core	Nominal cross section area (mm <sup>2</sup> )	Number of stranded min	Mean value of insulation thickness (mm)	Mean value of sheath thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20 °C (MΩ-Km)	Minimum insulation resistance at 20 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
1	10	6	2.0	1.4	12.0	1.83	2,900	90	220	500/D
	16	6	2.0	1.4	13.0	1.15	2,450	115	290	500/D
	25	6	2.0	1.4	14.5	0.727	2,050	155	390	500/D
	35	6	2.0	1.4	15.5	0.524	1,800	190	490	500/D
	50	6	2.0	1.4	16.5	0.387	1,550	230	600	500/D
	70	12	2.0	1.5	18.5	0.268	1,350	285	850	500/D
	95	15	2.0	1.5	21	0.193	1,150	350	1,100	500/D
	120	18	2.0	1.6	22	0.153	1,050	410	1,400	500/D
	150	18	2.0	1.6	24	0.124	950	465	1,600	500/D
	185	30	2.0	1.7	26	0.0991	850	535	2,000	500/D
	240	34	2.0	1.8	28	0.0754	750	630	2,600	500/D
	300	34	2.0	1.8	30	0.0601	700	725	3,200	500/D
	400	53	2.0	2.0	33	0.0470	600	840	4,000	500/D
	500	53	2.1	2.1	37	0.0366	600	975	5,000	500/D
	630	53	2.2	2.2	41	0.0283	550	1130	6,500	500/D
800	53	2.3	2.3	46	0.0221	550	1320	8,000	500/D	
1000	53	2.5	2.5	52	0.0176	500	1515	10,500	500/D	
3	10	6	2.0	1.8	23	1.83	2,900	69	650	500/D
	16	6	2.0	1.8	25	1.15	2,450	91	850	500/D
	25	6	2.0	1.8	28	0.727	2,050	115	1,200	500/D
	35	6	2.0	1.9	30	0.524	1,800	145	1,500	500/D
	50	6	2.0	2.0	33	0.387	1,550	170	1,900	500/D
	70	12	2.0	2.1	37	0.268	1,350	215	2,600	500/D
	95	15	2.0	2.2	41	0.193	1,150	265	3,500	500/D
	120	18	2.0	2.3	44	0.153	1,050	305	4,300	500/D
	150	18	2.0	2.4	48	0.124	950	350	5,000	500/D
	185	30	2.0	2.5	52	0.0991	850	410	6,500	500/D
	240	34	2.0	2.7	57	0.0754	750	490	8,000	500/D
	300	34	2.0	2.9	62	0.0601	700	565	10,000	300/D
400	53	2.0	3.1	69	0.0470	600	655	12,500	300/D	

\*REMARK: SPECIAL PROTECTION CAN BE PRODUCED  
D: PACKING IN DRUM.



## 3.6 /6(7.2) KV-CV

### 3.6/6 kV 90° C CROSS-LINKED POLYETHYLENE INSULATED AND PVC SHEATHED POWER CABLE



### CABLE STRUCTURE

<b>NUMBER OF CORE</b>	: Single and 3 cores
<b>CONDUCTOR</b>	: Compact round stranded annealed copper, Sizes. 10 mm <sup>2</sup> up to 1,000 mm <sup>2</sup>
<b>INSULATION</b>	: Cross-linked polyethylene Color: Natural (Translucent) Core identification: Color tape White, Red and Blue
<b>SHEATH</b>	: PVC Color: Black
<b>SHIELD</b>	: Copper tape, thickness 0.1 mm
<b>CLASSIFICATION</b>	: Maximum conductor temperature 90° C Circuit voltage not exceeding 7,200 volts
<b>TESTING VOLTAGE</b>	: 12,500 volts
<b>REFERENCE</b>	: IEC 60502-2

# 3.6/6(7.2) KV-CV

IEC 60502-2

Number of core	Nominal cross section area (mm <sup>2</sup> )	Number of stranded min	Mean value of insulation thickness (mm)	Mean value of sheath thickness (mm)	Appox. Overall diameter (mm)	Maximum conductor resistance at 20 °C (MΩ-Km)	Minimum insulation resistance at 20 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
1	** 10	6	2.5	1.4	14.0	1.83	2,850	93	260	500/D
	**16	6	2.5	1.5	15.5	1.15	2,500	120	350	500/D
	25	6	2.5	1.5	17.5	0.727	2,150	160	480	500/D
	35	6	2.5	1.5	18.5	0.524	1,900	195	600	500/D
	50	6	2.5	1.6	20	0.387	1,700	230	750	500/D
	70	12	2.5	1.6	21	0.268	1,500	290	950	500/D
	95	15	2.5	1.7	24	0.193	1,300	355	1,200	500/D
	120	18	2.5	1.7	25	0.153	1,200	410	1,500	500/D
	150	18	2.5	1.8	27	0.124	1,100	465	1,800	500/D
	185	30	2.5	1.8	28	0.0991	1,000	535	2,200	500/D
	240	34	2.6	1.9	31	0.0754	900	635	2,800	500/D
	300	34	2.8	2.0	34	0.0601	900	725	3,400	500/D
	400	53	3.0	2.1	37	0.0470	850	840	4,300	500/D
	500	53	3.2	2.2	42	0.0366	800	970	5,500	500/D
	630	53	3.2	2.4	46	0.0283	700	1140	7,000	500/D
	800	53	3.2	2.5	50	0.0221	600	1330	8,500	300/D
1000	53	3.2	2.6	55	0.0176	550	1520	11,000	300/D	
3	**10	6	2.5	2.0	28	1.83	2,850	72	850	500/D
	**16	6	2.5	2.0	30	1.15	2,500	94	1,100	500/D
	25	6	2.5	2.1	35	0.727	2,150	120	1,600	500/D
	35	6	2.5	2.2	38	0.524	1,900	145	1,900	500/D
	50	6	2.5	2.3	40	0.387	1,700	175	2,400	500/D
	70	12	2.5	2.4	44	0.268	1,500	220	3,100	500/D
	95	15	2.5	2.5	48	0.193	1,300	270	4,000	500/D
	120	18	2.5	2.6	52	0.153	1,200	315	4,900	500/D
	150	18	2.5	2.8	55	0.124	1,100	360	6,000	500/D
	185	30	2.5	2.9	59	0.0991	1,000	415	7,000	500/D
	240	34	2.6	3.1	65	0.0754	900	495	9,000	500/D
	300	34	2.8	3.3	71	0.0601	900	570	11,000	300/D
400	53	3.0	3.5	79	0.0470	850	665	13,500	300/D	

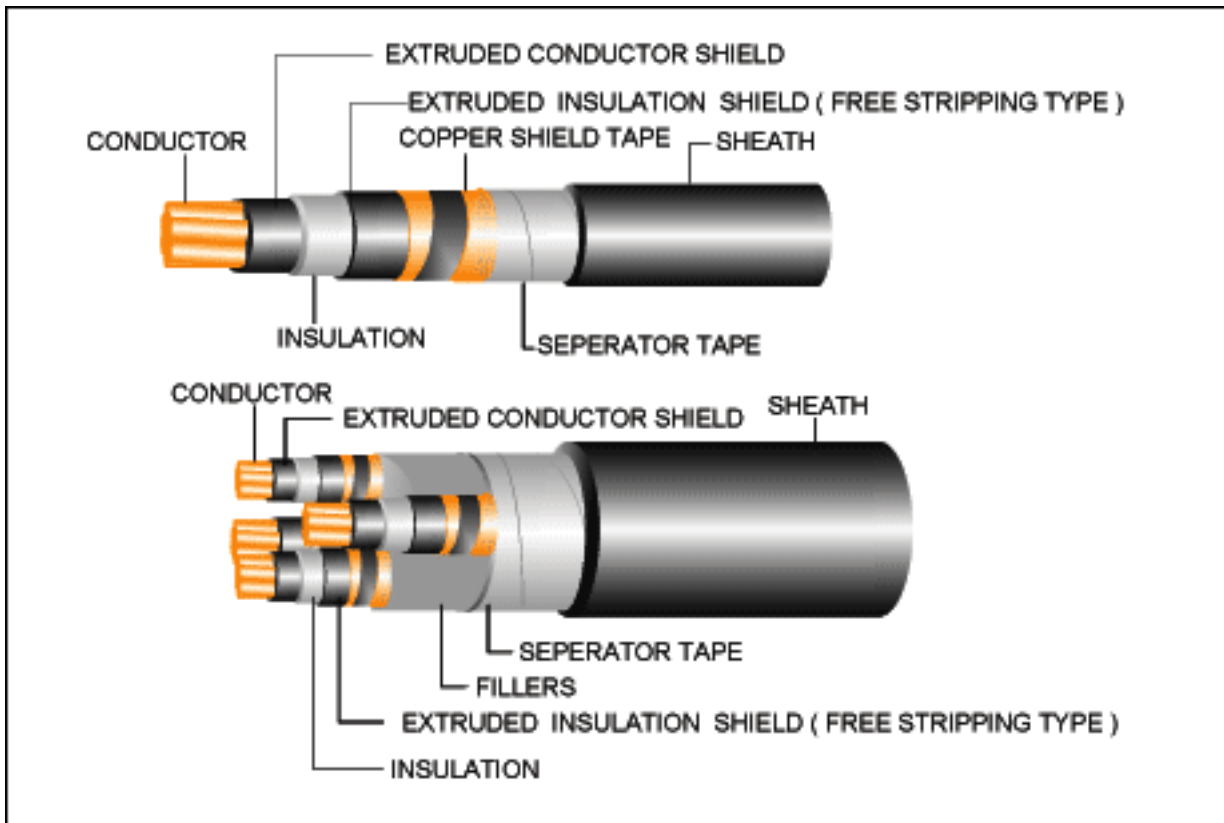
\* REMARK : SPECIAL PROTECTION CAN BE PRODUCED

D : PACKING IN DRUM .

\*\* REMARK : INSULATION SHIELD SHALL BE APPLIED SEMI-CONDUCTING TAPE.

## 6 /10(12) KV-CV

### 6/10 kV 90° C CROSS-LINKED POLYETHYLENE INSULATED AND PVC SHEATHED POWER CABLE



### CABLE STRUCTURE

<b>NUMBER OF CORE</b>	: Single and 3 cores
<b>CONDUCTOR</b>	: Compact round stranded annealed copper, Sizes. 16 mm <sup>2</sup> up to 1,000 mm <sup>2</sup>
<b>INSULATION</b>	: Cross-linked polyethylene Color: Natural (Translucent) Core identification: Color tape White, Red and Blue
<b>SHEATH</b>	: PVC Color: Black
<b>SHIELD</b>	: Copper tape, thickness 0.1 mm
<b>CLASSIFICATION</b>	: Maximum conductor temperature 90° C Circuit voltage not exceeding 12,000 volts
<b>TESTING VOLTAGE</b>	: 21,000 volts
<b>REFERENCE</b>	: IEC 60502-2

# 6/10(12) KV-CV

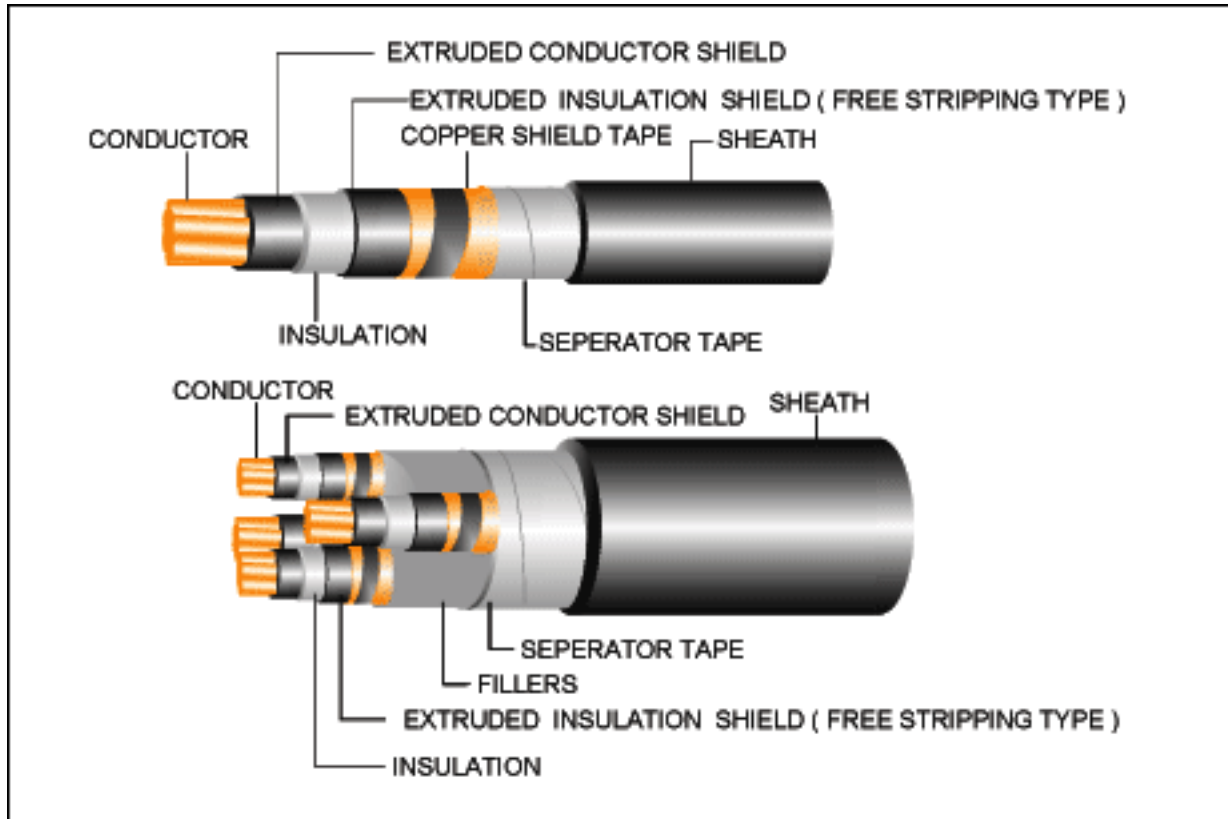
IEC 60502-2

Number of core		Number of stranded	Mean value of insulation thickness	Mean value of sheath thickness	Appox. overall diameter	Maximum conductor resistance at 20 °C	Minimum insulation resistance at 20 °C	Maximum Continuous current rating in free air	Cable weight (approx.)	Standard length
			min	(mm)	(mm)	(mm)	(MΩ-Km)	(MΩ-Km)	(Ampere)	(Kg/Km)
1	16	6	3.4	1.5	18.5	1.15	3,100	120	440	500/D
	25	6	3.4	1.6	20	0.727	2,700	160	550	500/D
	35	6	3.4	1.6	21	0.524	2,450	195	700	500/D
	50	6	3.4	1.7	22	0.387	2,200	235	850	500/D
	70	12	3.4	1.7	24	0.268	1,900	290	1,100	500/D
	95	15	3.4	1.8	26	0.193	1,700	355	1,300	500/D
	120	18	3.4	1.8	27	0.153	1,550	410	1,600	500/D
	150	18	3.4	1.9	29	0.124	1,450	465	1,900	500/D
	185	30	3.4	1.9	31	0.0991	1,300	535	2,300	500/D
	240	34	3.4	2.0	33	0.0754	1,150	630	2,900	500/D
	300	34	3.4	2.1	36	0.0601	1,050	725	3,500	500/D
	400	53	3.4	2.2	39	0.0470	950	835	4,400	500/D
	500	53	3.4	2.3	42	0.0366	850	975	5,500	500/D
	630	53	3.4	2.4	46	0.0283	750	1140	7,000	500/D
	800	53	3.4	2.5	50	0.0221	650	1330	8,500	500/D
1000	53	3.4	2.6	56	0.0176	600	1520	11,000	300/D	
3	16	6	3.4	2.2	37	1.15	3,100	96	1,500	500/D
	25	6	3.4	2.2	40	0.727	2,700	120	1,900	500/D
	35	6	3.4	2.3	42	0.524	2,450	150	2,200	500/D
	50	6	3.4	2.4	45	0.387	2,200	180	2,700	500/D
	70	12	3.4	2.6	49	0.268	1,900	225	3,500	500/D
	95	15	3.4	2.7	53	0.193	1,700	275	4,400	500/D
	120	18	3.4	2.8	57	0.153	1,550	320	5,500	500/D
	150	18	3.4	2.9	60	0.124	1,450	365	6,000	500/D
	185	30	3.4	3.0	64	0.0991	1,300	420	7,500	500/D
	240	34	3.4	3.2	70	0.0754	1,150	500	9,500	300/D
	300	34	3.4	3.3	75	0.0601	1,050	575	11,500	300/D
400	53	3.4	3.6	81	0.0470	950	665	14,000	300/D	

\* REMARK : SPECIAL PROTECTION CAN BE PRODUCED  
D : PACKING IN DRUM

## 8.7/15(17.5) KV-CV

### 8.7/15 kV 90 °C CROSS-LINKED POLYETHYLENE INSULATED AND PVC SHEATHED POWER CABLE



### CABLE STRUCTURE

<b>NUMBER OF CORE</b>	: Single and 3 cores
<b>CONDUCTOR</b>	: Compact round stranded annealed copper, Sizes. 25 mm <sup>2</sup> up to 1,000 mm <sup>2</sup>
<b>INSULATION</b>	: Cross-linked polyethylene Color : Natural (Translucent) Core identification: Color tape White, Red and Blue
<b>SHEATH</b>	: PVC Color : Black
<b>SHIELD</b>	: Copper tape, thickness 0.1 mm
<b>CLASSIFICATION</b>	: Maximum conductor temperature 90° C Circuit voltage not exceeding 17,500 volts
<b>TESTING VOLTAGE</b>	: 30,500 volts
<b>REFERENCE</b>	: IEC 60502-2

# 8.7/15(17.5) KV-CV

IEC 60502-2

Number Of core	Nominal cross section area (mm <sup>2</sup> )	Number of stranded min	Mean value of insulation thickness (mm)	Mean value of sheath thickness (mm)	Appox. Overall diameter (mm)	Maximum conductor resistance at 20 °C (MΩ-Km)	Minimum insulation resistance at 20 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
1	25	6	4.5	1.6	22	0.727	3,300	160	650	500/D
	35	6	4.5	1.7	23	0.524	3,000	195	750	500/D
	50	6	4.5	1.7	25	0.387	2,700	235	900	500/D
	70	12	4.5	1.8	26	0.268	2,400	295	1,200	500/D
	95	15	4.5	1.8	28	0.193	2,100	355	1,400	500/D
	120	18	4.5	1.9	30	0.153	1,950	410	1,700	500/D
	150	18	4.5	1.9	31	0.124	1,800	465	2,000	500/D
	185	30	4.5	2.0	33	0.0991	1,650	535	2,400	500/D
	240	34	4.5	2.1	36	0.0754	1,500	630	3,000	500/D
	300	34	4.5	2.1	38	0.0601	1,350	720	3,700	500/D
	400	53	4.5	2.2	41	0.0470	1,200	835	4,500	500/D
	500	53	4.5	2.3	45	0.0366	1,100	980	5,500	500/D
	630	53	4.5	2.4	48	0.0283	950	1145	7,000	500/D
	800	53	4.5	2.6	53	0.0221	850	1330	8,500	500/D
1000	53	4.5	2.7	58	0.0176	750	1520	11,500	300/D	
3	25	6	4.5	2.4	45	0.727	3,300	125	2,200	500/D
	35	6	4.5	2.5	48	0.524	3,000	150	2,600	500/D
	50	6	4.5	2.6	51	0.387	2,700	185	3,100	500/D
	70	12	4.5	2.7	54	0.268	2,400	230	3,900	500/D
	95	15	4.5	2.8	58	0.193	2,100	280	4,800	500/D
	120	18	4.5	2.9	62	0.153	1,950	325	5,500	500/D
	150	18	4.5	3.1	66	0.124	1,800	370	6,500	500/D
	185	30	4.5	3.2	69	0.0991	1,650	425	8,000	500/D
	240	34	4.5	3.4	75	0.0754	1,500	500	10,000	300/D
	300	34	4.5	3.5	80	0.0601	1,350	575	12,000	300/D
400	53	4.5	3.7	86	0.0470	1,200	665	15,500	300/D	

\*REMARK : SPECIAL PROTECTION CAN BE PRODUCED  
D : PACKING IN DRUM

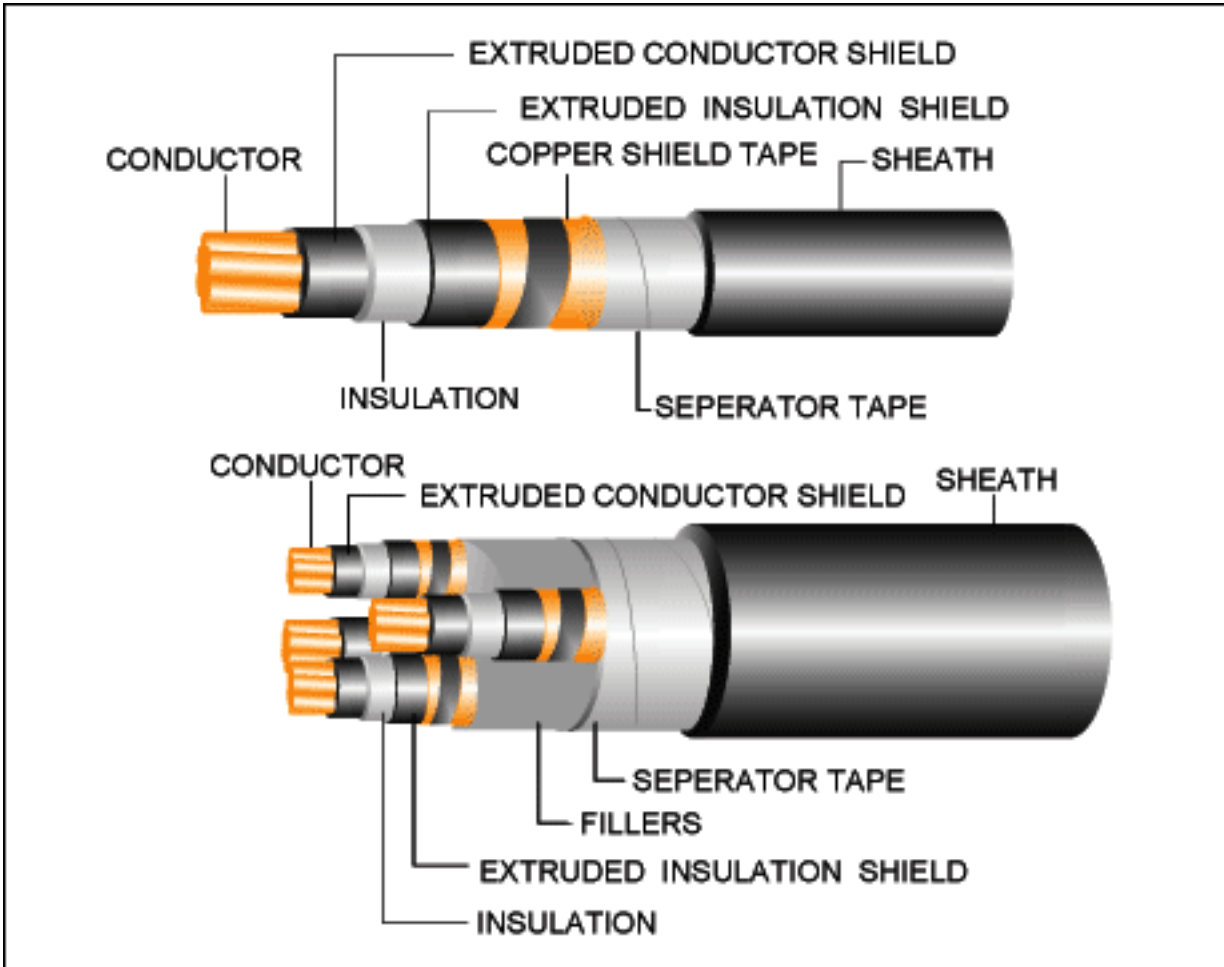


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## 12/20(24) KV-CV

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### 12/20 kV 90° C CROSS-LINKED POLYETHYLENE INSULATED AND PVC SHEATHED POWER CABLE



## CABLE STRUCTURE

<b>NUMBER OF CORE</b>	: Single and 3 cores
<b>CONDUCTOR</b>	: Compact round stranded annealed copper, Sizes. 35 mm <sup>2</sup> up to 1,000 mm <sup>2</sup>
<b>INSULATION</b>	: Cross-linked polyethylene Color : Natural (Translucent) Core identification: Color tape White, Red and Blue
<b>SHEATH</b>	: PVC Color : Black
<b>SHIELD</b>	: Copper tape, thickness 0.1 mm
<b>CLASSIFICATION</b>	: Maximum conductor temperature 90° C Circuit voltage not exceeding 24,000 volts
<b>TESTING VOLTAGE</b>	: 48,000 volts
<b>REFERENCE</b>	: IEC 60502-2

# 12/20(24) KV-CV

IEC 60502-2 Standard

Number of core	Nominal cross section area (mm <sup>2</sup> )	Number of stranded min	Mean value of insulation thickness (mm)	Mean value of sheath thickness (mm)	Appox. Overall diameter (mm)	Maximum conductor resistance at 20 °C (MΩ-Km)	Minimum insulation resistance at 20 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
1	35	6	5.5	1.8	26	0.524	3,460	195	850	500/D
	50	6	5.5	1.8	27	0.387	3,130	235	1,000	500/D
	70	12	5.5	1.8	28	0.268	2,790	295	1,300	500/D
	95	15	5.5	1.9	30	0.193	2,500	360	1,600	500/D
	120	18	5.5	2.0	32	0.153	2,290	410	1,900	500/D
	150	18	5.5	2.0	34	0.124	2,130	465	2,200	500/D
	185	30	5.5	2.1	35	0.0991	1,970	535	2,600	500/D
	240	34	5.5	2.1	38	0.0754	1,770	630	3,200	500/D
	300	34	5.5	2.2	40	0.0601	1,620	720	3,800	500/D
	400	53	5.5	2.3	43	0.0470	1,480	840	4,700	500/D
	500	53	5.5	2.4	47	0.0366	1,320	980	6,000	500/D
	630	53	5.5	2.5	51	0.0283	1,190	1145	7,500	500/D
	800	53	5.5	2.6	55	0.0221	1,070	1330	9,000	500/D
1000	53	5.5	2.8	60	0.0176	940	1520	11,500	300/D	
3	35	6	5.5	2.7	53	0.524	3,460	155	3,000	500/D
	50	6	5.5	2.8	55	0.387	3,130	185	3,500	500/D
	70	12	5.5	2.9	59	0.268	2,790	230	4,300	500/D
	95	15	5.5	3.0	63	0.193	2,500	285	5,000	500/D
	120	18	5.5	3.1	67	0.153	2,290	325	6,000	500/D
	150	18	5.5	3.2	70	0.124	2,130	370	7,000	300/D
	185	30	5.5	3.3	74	0.0991	1,970	425	8,500	300/D
	240	34	5.5	3.5	80	0.0754	1,770	505	10,500	300/D
	300	34	5.5	3.7	85	0.0601	1,620	580	12,500	300/D
	400	53	5.5	3.9	91	0.0470	1,480	670	15,500	200/D

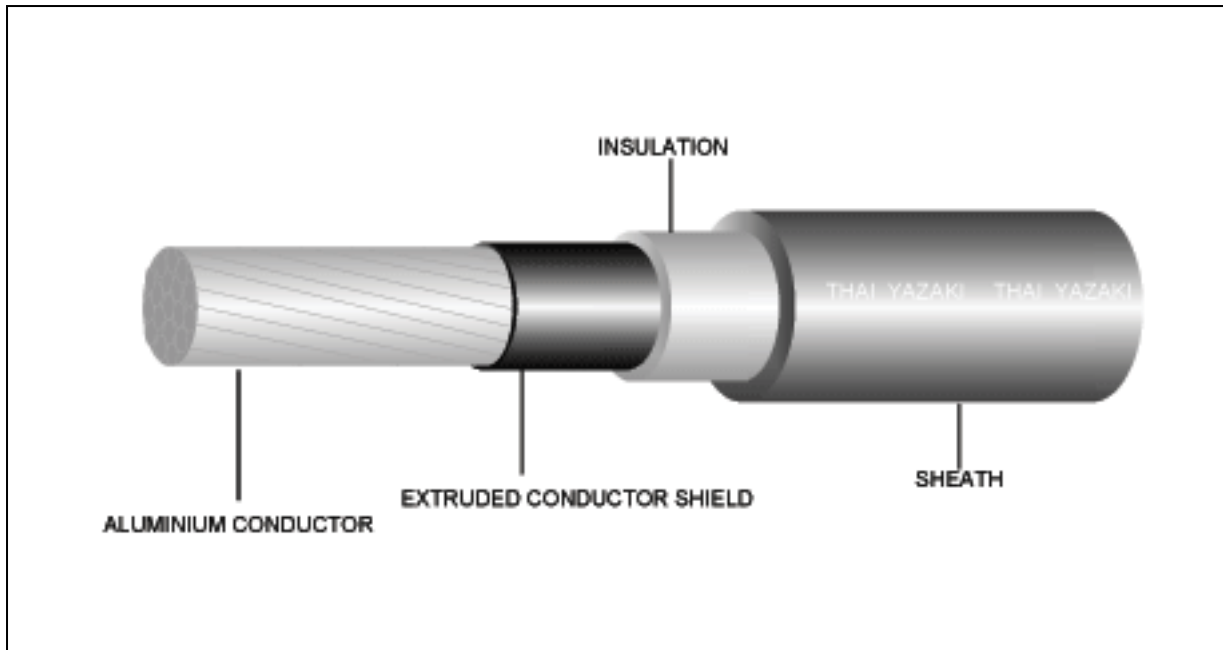
\*REMARK: SPECIAL PROTECTION CAN BE PRODUCED  
D: PACKING IN DRUM

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# 15 KV-CC

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## ALL ALUMINIUM SPACED AERIAL CABLE



### CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	: Single Core : Compact round stranded hard drawn Aluminum conductors, : Sizes 35 mm <sup>2</sup> up to 240 mm <sup>2</sup>
<b>INSULATION</b>	: Cross-linked polyethylene (XLPE) : Color : Natural
<b>SHEATH</b>	: Cross-linked polyethylene (XLPE) : Color : Black
<b>CLASSIFICATION</b>	: Maximum conductor temperature 90°C : Circuit voltage not exceeding 15,000 volts
<b>TESTING VOLTAGE</b>	: 27,000 volts
<b>REFERENCE</b>	: ICEA S-66-524

# 15 KV-CC

Number Of core	Nominal Cross Sectional area (mm <sup>2</sup> )	Number Of stranded	Diameter of Conductor approx. (mm)	Insulation Thickness (mm)	Sheath Thickness (mm)	Approx. Overall diameter (mm)	Maximum conductor resistance at 20 °C (Ω-Km)	Minimum Insulation resistance at 15.6 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Breaking Strength (N)	Cable weight (approx.) (Kg/Km)	Standard length (m)
1	35	7	7.1	1.91	1.91	16.5	0.868	1,750	150	5,591	260	500/D
	50	7	8.5	1.91	1.91	18.0	0.641	1,550	180	7,313	320	500/D
	70	7	9.9	1.91	1.91	19.5	0.443	1,400	225	10,420	390	500/D
	95	7	11.6	1.91	1.91	21.0	0.320	1,250	275	14,098	490	500/D
	120	19	13.1	1.91	1.91	23.0	0.253	1,150	315	18,518	600	500/D
	150	19	14.4	1.91	1.91	24.0	0.206	1,050	360	22,457	650	500/D
	185	34	16.1	1.91	1.91	26.0	0.164	980	415	28,974	800	500/D
	240	34	18.6	1.91	1.91	28.0	0.125	850	490	37,506	1,000	500/D

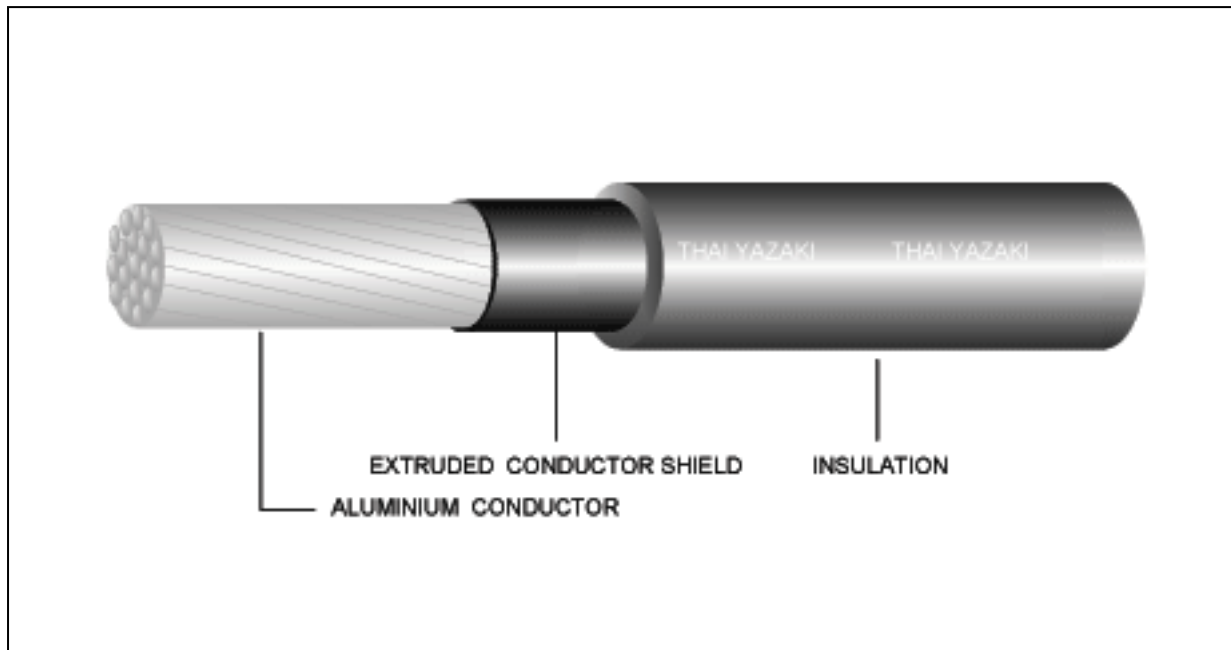
D : PACKING IN DRUM.

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## 24 KV-OC

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### CROSS – LINKED POLYETHYLENE PARTIAL INSULATED ALL ALUMINIUM CABLE



#### CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	: Single Core
	: Compact round stranded hard drawn aluminum conductor, Sizes 35 mm <sup>2</sup> up to 185 mm <sup>2</sup>
<b>INSULATION</b>	: Cross-linked polyethylene (XLPE) Color: Black
<b>CLASSIFICATION</b>	: Maximum conductor temperature 90°C Circuit voltage not exceeding 24,000 volts
<b>TESTING VOLTAGE</b>	: 11,000 volts
<b>REFERENCE</b>	: ICEA S-66-524

## 24 KV-OC

Number Of core	Nominal Cross Sectional area (mm <sup>2</sup> )	Number Of stranded	Diameter of Conductor approx. (mm)	Insulation Thickness (mm)	Approx. Overall diameter (mm)	Maximum conductor resistance at 20 °C (Ω-Km)	Minimum Insulation resistance at 15.6 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Breaking Strength (N)	Cable weight (approx.) (Kg/Km)	Standard length (m)
1	35	6	7.05	1.8	12.0	0.868	900	140	5,591	170	1,000/D
	50	6	8.11	2.2	14.0	0.641	880	170	7,313	220	1,000/D
	70	12	9.73	2.1	15.0	0.443	800	215	10,420	290	1,000/D
	95	15	11.43	2.5	18.0	0.320	750	270	14,098	400	1,000/D
	120	15	13.05	2.6	19.5	0.253	700	310	18,518	190	1,000/D
	150	15	14.37	2.6	21.0	0.206	650	355	22,457	550	1,000/D
	185	30	16.08	2.55	23.0	0.164	600	410	28,974	700	1,000/D

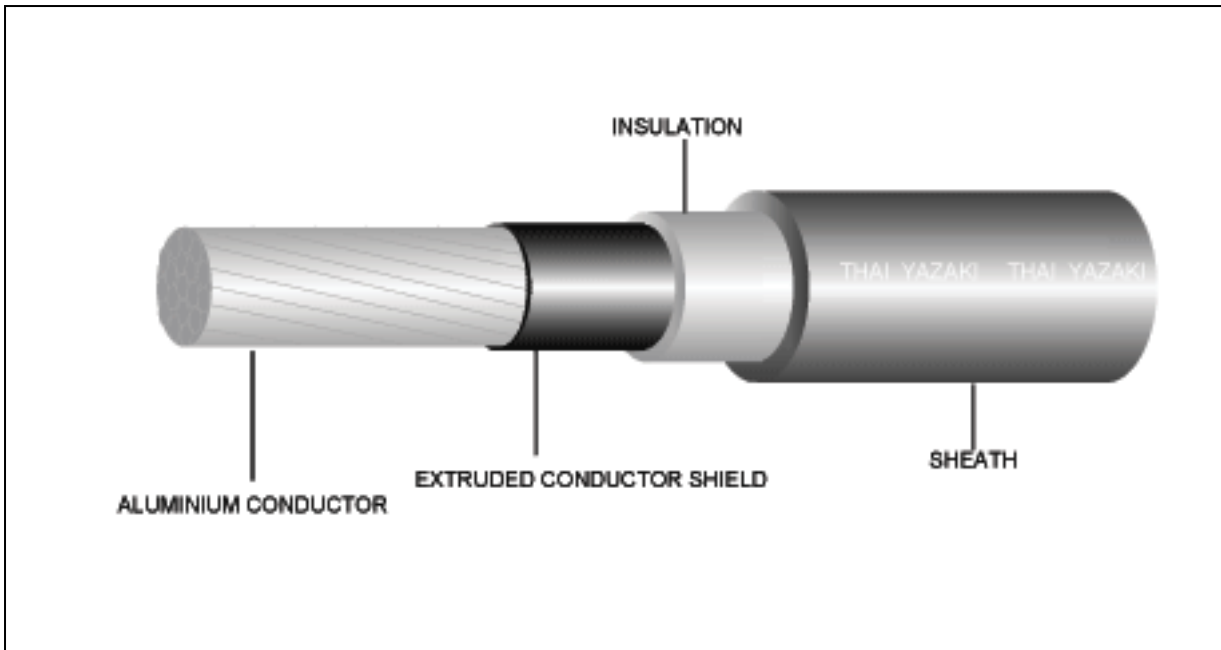
D : PACKING IN DRUM.

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# 25 KV-CC

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## ALL ALUMINIUM SPACED AERIAL CABLE



### CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	: Single Core : Compacted round stranded hard drawn Aluminum Conductors, Sizes. 35 mm <sup>2</sup> up to 240 mm <sup>2</sup>
<b>INSULATION</b>	: Cross-linked polyethylene (XLPE) Color : Natural
<b>SHEATH</b>	: Cross-linked polyethylene (XLPE) Color : Black
<b>CLASSIFICATION</b>	: Maximum conductor temperature 90°C Circuit voltage not exceeding 25,000 volts
<b>TESTING VOLTAGE</b>	: 38,000 volts
<b>REFERENCE</b>	: ICEA S-66-524

# 25 KV-CC

Number Of core	Nominal Cross Sectional area (mm <sup>2</sup> )	Number Of stranded (Min)	Diameter of Conductor Approx. (mm)	Insulation thickness (mm)	Sheath Thickness (mm)	Approx. Overall diameter (mm)	Maximum conductor resistance at 20 °C (Ω-Km)	Minimum Insulation resistance at 15.6 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Breaking Strength (N)	Cable weight (approx.) (Kg/Km)	Standard length (m)
1	35	6	7.05	3.175	3.175	22	0.868	2,500	150	5,720	400	500/D
	50	6	8.11	3.175	3.175	23	0.641	2,250	180	7,890	460	500/D
	70	12	9.73	3.175	3.175	25	0.443	2,050	225	10,530	550	500/D
	95	15	11.43	3.175	3.175	26	0.320	1,850	275	14,380	650	500/D
	120	15	13.05	3.175	3.175	28	0.253	1,700	315	19,110	750	500/D
	150	15	14.37	3.175	3.175	29	0.206	1,600	360	22,560	850	500/D
	185	30	16.08	3.175	3.175	31	0.164	1,450	415	29,600	1,000	500/D
	240	30	18.57	3.175	3.175	33	0.125	1,300	490	38,220	1,200	500/D

D : Packing in drum.

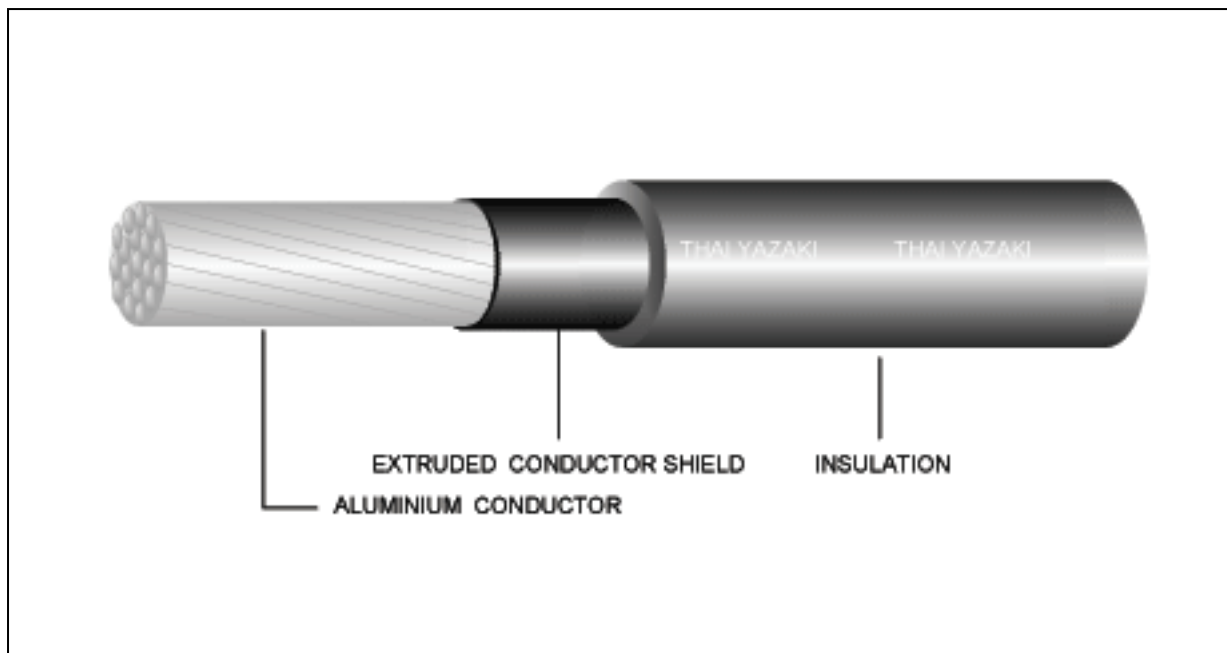


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## 33 KV-OC

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### CROSS – LINKED POLYETHYLENE PARTIAL INSULATED ALL ALUMINIUM CABLE



#### CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	:	Single Core
	:	Compact round stranded hard drawn aluminium wires, Sizes. 35 mm <sup>2</sup> up to 185 mm <sup>2</sup>
<b>INSULATION</b>	:	Cross-linked polyethylene (XLPE) Color: Black
<b>CLASSIFICATION</b>	:	Maximum conductor temperature 90°C Circuit voltage not exceeding 33,000 volts
<b>TESTING VOLTAGE</b>	:	17,000 volts
<b>REFERENCE</b>	:	ICEA S-66-524

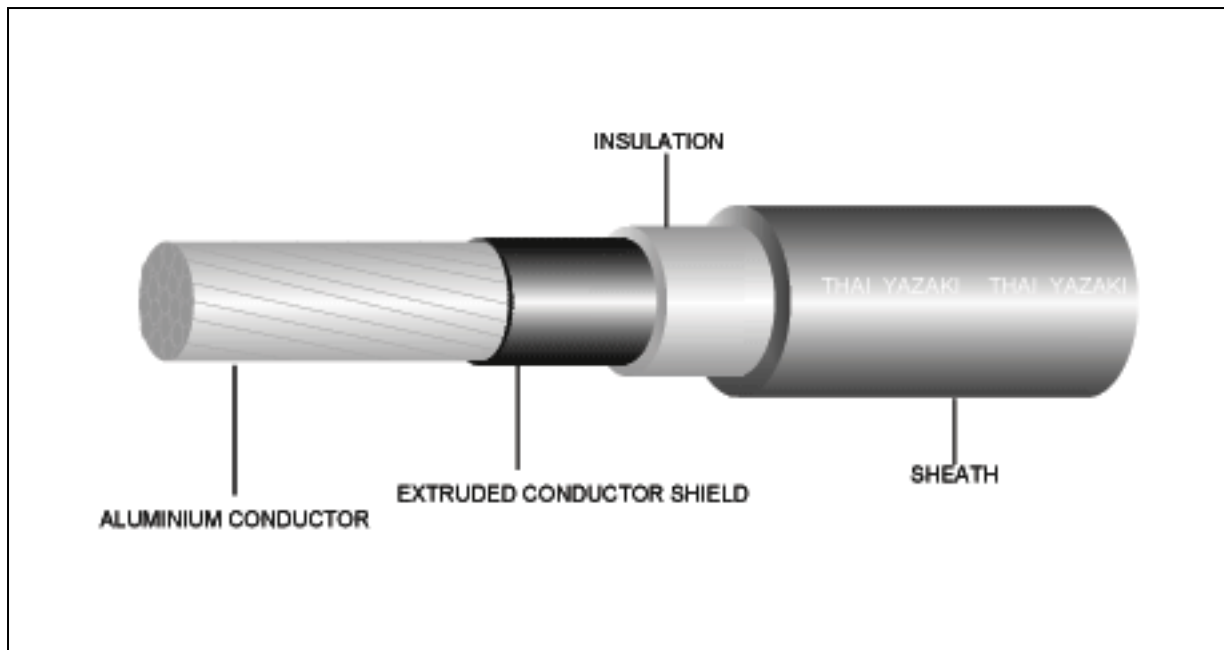
## 33 KV-OC

Number Of core	Nominal Cross Sectional area (mm <sup>2</sup> )	Number Of stranded	Diameter of Conductor approx. (mm)	Insulation Thickness (mm)	Approx. Overall diameter (mm)	Maximum conductor resistance at 20 °C (Ω-Km)	Minimum Insulation resistance at 15.6 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Breaking Strength (N)	Cable weight (approx.) (Kg/Km)	Standard length (m)
1	35	7	7.1	3.0	14.5	0.868	1,350	145	5,591	220	1,000/D
	50	7	8.5	3.2	16.5	0.641	1,300	175	7,313	280	1,000/D
	70	7	9.9	3.2	18.0	0.443	1,200	220	10,420	350	1,000/D
	95	7	11.6	3.5	20.0	0.320	1,100	270	14,098	460	1,000/D
	120	19	13.1	3.6	22.0	0.253	1,000	315	18,518	550	1,000/D
	150	19	14.4	3.6	23.0	0.206	950	360	22,457	650	1,000/D
	185	34	16.1	3.9	26.0	0.164	900	415	28,974	800	1,000/D

D : PACKING IN DRUM.

# 35 KV-CC

## ALL ALUMINIUM SPACED AERIAL CABLE



### CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	: Single Core : Compacted round stranded hard drawn aluminum Conductors, Sizes 35 mm <sup>2</sup> up to 240 mm <sup>2</sup>
<b>INSULATION</b>	: Cross-linked polyethylene (XLPE) Color : Natural
<b>SHEATH</b>	: Cross-linked polyethylene (XLPE) Color : Black
<b>CLASSIFICATION</b>	: Maximum conductor temperature 90°C Circuit voltage not exceeding 35,000 volts
<b>TESTING VOLTAGE</b>	: 49,000 volts
<b>REFERENCE</b>	: ICEA S-66-524

# 35 KV-CC

Number Of core	Nominal Cross Sectional area (mm <sup>2</sup> )	Number Of stranded (Min)	Diameter of Conductor approx. (mm)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. Overall diameter (mm)	Maximum conductor resistance at 20 °C (Ω-Km)	Minimum Insulation resistance at 15.6 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Breaking Strength (N)	Cable Weight (approx.) (Kg/Km)	Standard length (m)
1	50	6	8.5 9.9	4.445	3.175	26	0.641	2,500	180	7,890	550	500/D
	70	12	11.6	4.445	3.175	27	0.443	2,300	225	10,530	650	500/D
	95	15	13.1	4.445	3.175	29	0.320	2,100	275	14,380	750	500/D
	120	15	14.4	4.445	3.175	31	0.253	1,950	315	19,110	900	500/D
	150	15	16.1	4.445	3.175	32	0.206	1,800	360	22,560	1,000	500/D
	185	30	18.6	4.445	3.175	34	0.164	1,690	415	29,600	1,100	500/D
	240	30		4.445	3.175	36	0.125	1,500	490	38,220	1,400	500/D

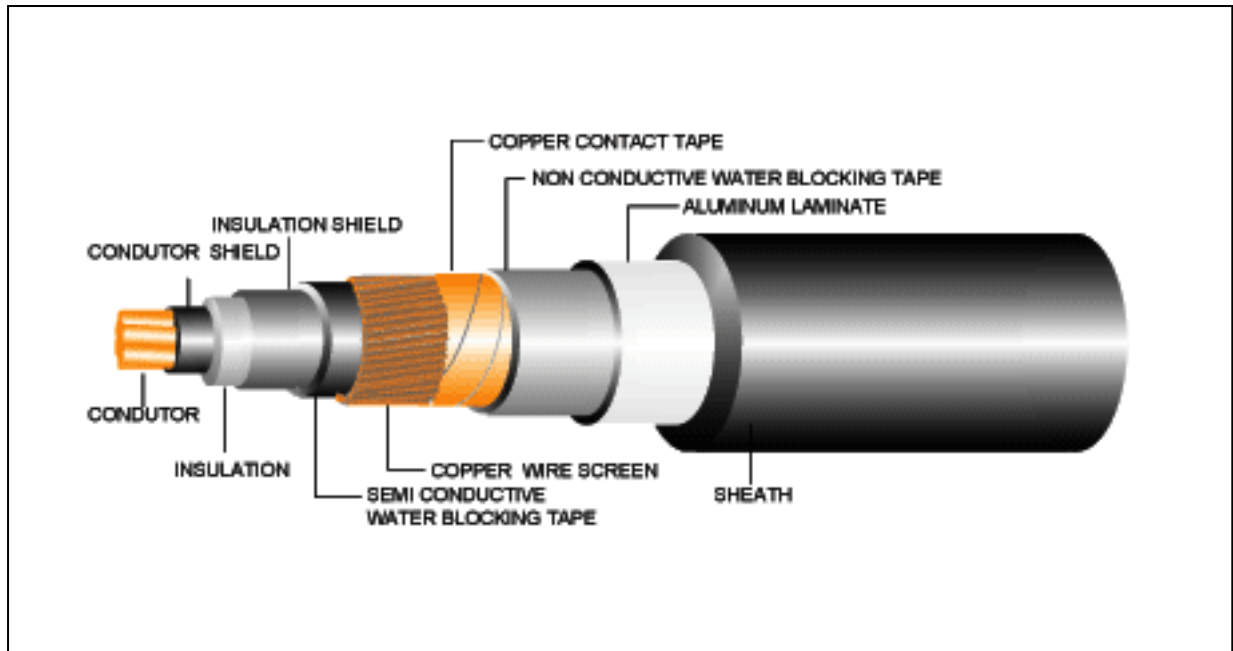
D : Packing in drum.

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## 69 KV-CE (CU. WIRE SCREEN)

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69 kV 90° C CROSS-LINK POLYETHYLENE INSULATED WITH COPPER WIRE SCREEN  
POLYETHYLENE JACKETED POWER CABLE



### CABLE STRUCTURE

<b>NUMBER OF CORE</b>	:	Single core
<b>CONDUCTOR</b>	:	Compact concentric stranded uncoated annealed Copper conductor
<b>INSULATION</b>	:	Cross-linked polyethylene Color: Natural
<b>SHEATHED</b>	:	Polyethylene
<b>TESTING VOLTAGE</b>	:	90,000 Volts
<b>CLASSIFICATION</b>	:	Maximum conductor temperature 90°C
<b>REFERENCE</b>	:	IEC 60840: 1999

# 69 KV-CE (CU.WIRE SCREEN)

IEC 60840 Standard

No. of Cores	Size (mm <sup>2</sup> )	Conductor Strands min	Conductor diameter approx. mm	Conductor shield thickness nominal mm	Insulation thickness nominal mm	Insulation Shield thickness nominal mm	Copper wire area mm <sup>2</sup>	Jacket thickness nominal mm	Overall diameter approx. mm.	Maximum Conductor Resistance at 20 °C Ω-Km	Maximum Current rating In ground (ampere)	Weight Of Cable (approx.) (kg/km)	Standard Packing Length m
1	400/95	53	23.5	1.5	11.0	1.5	95	3.1	66	0.0470	690	1,000	500
	500/95	53	26.7	1.5	11.0	1.5	95	3.2	69	0.0366	785	8,000	300
	630/120	53	30.3	1.5	11.0	1.5	120	3.4	74	0.0283	895	10,000	300
	800/120	53	34.1	1.5	11.0	1.5	120	3.5	78	0.0221	1010	11,500	300

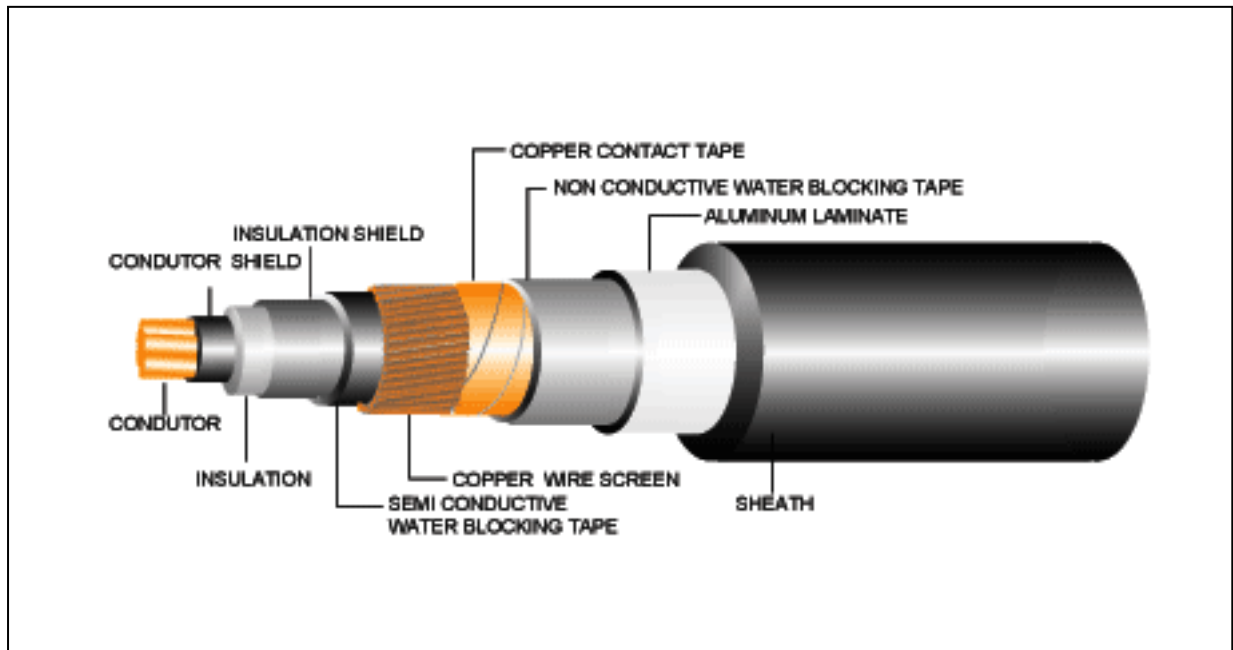
D : Packing in drum

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# 115 KV-CE (CU. WIRE SCREEN)

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## 115 KV 90° C CROSS-LINK POLYETHYLENE INSULATED WITH COPPER WIRE SCREEN AND POLYETHYLENE JACKETED POWER CABLE



### CABLE STRUCTURE

<b>NUMBER OF CORE</b>	: Single core
<b>CONDUCTOR</b>	: Compact concentric stranded uncoated annealed Copper conductor
<b>INSULATION</b>	: Cross-linked polyethylene Color: Natural
<b>SHEATHED</b>	: Polyethylene
<b>TESTING VOLTAGE</b>	: 160,000 Volts
<b>CLASSIFICATION</b>	: Maximum conductor temperature 90°C
<b>REFERENCE</b>	: IEC 60840: 1999

# 115 KV-CE (CU.WIRE SCREEN)

IEC 60840 Standard

No. Of Cores	Size (mm <sup>2</sup> )	Conductor Strands min	Conductor diameter approx. mm	Conductor shield thickness nominal mm	Insulation thickness nominal mm	Insulation Shield thickness nominal mm	Copper wire area mm <sup>2</sup>	Jacket thickness nominal mm	Overall diameter approx. mm	Maximum Conductor Resistance at 20 °C (Ω-Km)	Maximum Current Rating In ground (ampere)	weight of cable (approx.) (kg/km)	Standard packing length m
1	400/95	53	23.5	1.5	16.0	1.5	95	3.5	76	0.0470	690	8,000	300
	500/95	53	26.7	1.5	16.0	1.5	95	3.6	80	0.0366	785	9,000	300
	630/120	53	30.3	1.5	16.0	1.5	120	3.7	84	0.0283	895	11,000	300
	800/120	53	34.1	1.5	16.0	1.5	120	3.9	88	0.0221	1010	13,000	300

D : Packing in drum



