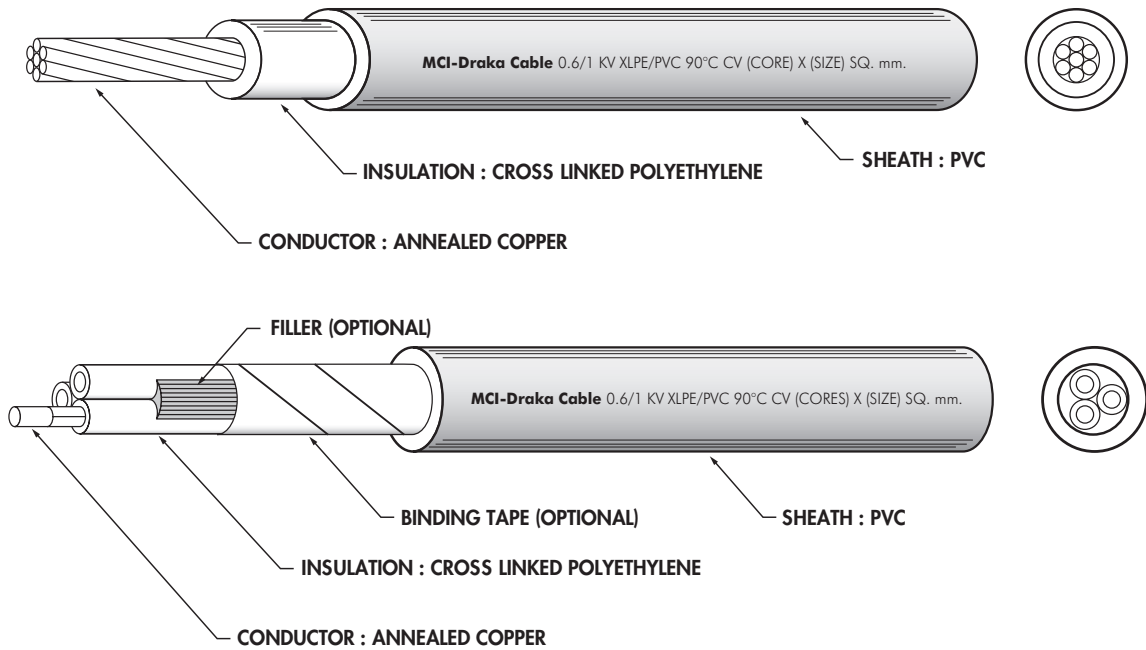


# CV

## 600/1000 V 90°C CROSS - LINKED POLYETHYLENE INSULATED AND PVC SHEATHED POWER CABLE.



- Application** : For use in fixed installation in industrial areas, buildings and other similar applications.
- Classification** : Maximum conductor temperature 90°C  
Circuit voltage not exceeding 1,000 volts
- Testing Voltage** : 3,500 volts
- Standard** : IEC 60502
- Option** : Filler  
Binding tape

- Construction** : Number of core : Up to 4 cores
- Conductor : Concentric stranded annealed copper, sizes  
Single core : size 2.5 mm<sup>2</sup> up to 1000 mm<sup>2</sup>  
Multi core : size 2.5 mm<sup>2</sup> up to 400 mm<sup>2</sup>
- Insulation : Cross-linked PE.  
Color : Natural (Translucent)  
Core identification : For natural cross-linked PE. will be marked with black core number.  
For coloured insulation, the cores are identified as follows :

No. of Cores	Single	Two	Three	Four	Five & above
Colour	Natural	Red and Black	Red, Yellow and Blue	Red, Yellow, Blue and Black	Natural with Black numbering

Sheath : PVC  
Colour : Black

Note: We reserve the right to alter this specification without notice.

**CV****600/1000 V 90°C CROSS - LINKED POLYETHYLENE INSULATED AND PVC SHEATHED POWER CABLE.**

Number of core	Nominal cross sectional area (mm <sup>2</sup> )	Number and diameter of wire (No / mm)	Mean value of insulation thickness (mm)	Mean value of sheath thickness (mm)	Approximate overall diameter (mm)	Maximum conductor resistance at 20°C (Ω/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	2.5	7/0.67	0.7	1.4	6.5	7.41	2100	36	65	500/D
	4	7/0.85	0.7	1.4	7.0	4.61	1700	48	80	500/D
	6	7/1.04	0.7	1.4	7.5	3.08	1450	61	100	500/D
	10	7/1.35	0.7	1.4	8.1	1.83	1250	82	140	500/D
	16	7/1.70	0.7	1.4	9.5	1.15	1000	110	200	500/D
	25	7/2.14	0.9	1.4	11.5	0.727	1050	145	300	500/D
	35	19/1.53	0.9	1.4	12.6	0.524	900	180	400	500/D
	50	19/1.78	1.0	1.4	14.0	0.367	850	220	500	500/D
	70	19/2.14	1.1	1.4	16.0	0.268	800	280	750	500/D
	95	19/2.52	1.1	1.5	18.2	0.193	850	345	1000	500/D
	120	37/2.03	1.2	1.5	19.9	0.153	650	400	1200	500/D
	150	37/2.25	1.4	1.6	22.1	0.124	700	460	1500	500/D
	185	37/2.52	1.6	1.6	23	0.0991	700	530	1900	500/D
	240	61/2.25	1.7	1.7	29	0.0754	650	630	2500	500/D
	300	61/2.52	1.8	1.8	29	0.0601	600	725	3100	500/D
	400	61/2.85	2.0	1.9	32	0.0470	600	840	3900	500/D
	500	61/3.20	2.2	2.0	36	0.0366	600	975	5000	500/D
630	127/2.52	2.4	2.2	40	0.0283	550	1125	6500	500/D	
800	127/2.85	2.6	2.3	46	0.0221	550	1320	8500	300/D	
1000	127/3.20	2.8	2.4	51	0.0176	500	1510	10500	300/D	
2	2.5	7/0.67	0.7	1.8	11.5	7.41	2100	34	160	500/D
	4	7/0.85	0.7	1.8	12.5	4.61	1700	44	200	500/D
	6	7/1.04	0.7	1.8	14.0	3.08	1450	57	250	500/D
	10	7/1.35	0.7	1.8	15.0	1.83	1250	77	340	500/D
	16	7/1.70	0.7	1.8	17.0	1.15	1000	100	480	500/D
	25	7/2.14	0.9	1.8	21	0.727	1050	135	700	500/D
	35	19/1.53	0.9	1.8	23	0.524	900	165	900	500/D
	50	19/1.78	1.0	1.8	26	0.387	850	205	1200	500/D
	70	19/2.14	1.1	1.8	29	0.268	800	255	1700	500/D
	95	19/2.52	1.1	2.0	33	0.193	650	315	2300	500/D
	120	37/2.03	1.2	2.1	37	0.153	650	365	2800	500/D
	150	37/2.25	1.4	2.2	41	0.124	700	415	3500	500/D
	185	37/2.52	1.6	2.3	45	0.0991	700	485	4300	500/D
	240	61/2.52	1.7	2.5	51	0.0754	650	580	5500	500/D
300	61/2.52	1.8	2.7	56	0.0601	600	675	7000	300/D	
400	61/2.85	2.0	2.9	63	0.0470	600	790	9000	300/D	

D : Packing in drum.

Note: We reserve the right to alter this specification without notice.

Number of core	Nominal cross sectional area (mm <sup>2</sup> )	Number and diameter of wire (No / mm)	Mean value of insulation thickness (mm)	Mean value of sheath thickness (mm)	Approximate overall diameter (mm)	Maximum conductor resistance at 20°C (Ω/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)
3	2.5	7/0.67	0.7	1.8	12.5	7.41	2100	28	190	500/D
	4	7/0.85	0.7	1.8	13.5	4.61	1700	37	250	500/D
	6	7/1.04	0.7	1.8	14.5	3.08	1450	48	320	500/D
	10	7/1.35	0.7	1.8	16.0	1.83	1250	64	440	500/D
	16	7/1.70	0.7	1.8	18.0	1.15	1000	86	650	500/D
	25	7/2.14	0.9	1.8	22	0.727	1050	115	950	500/D
	35	19/1.53	0.9	1.8	24	0.524	900	140	1300	500/D
	50	19/1.78	1.0	1.8	27	0.387	850	170	1700	500/D
	70	19/2.14	1.1	1.9	31	0.268	800	215	2300	500/D
	95	19/2.52	1.1	2.0	36	0.193	650	260	3100	500/D
	120	37/2.03	1.2	2.1	39	0.153	650	305	3900	500/D
	150	37/2.25	1.5	2.3	44	0.124	700	350	4900	500/D
	185	37/2.52	1.6	2.4	49	0.0991	700	405	6000	500/D
	240	61/2.25	1.7	2.6	55	0.0754	850	490	8000	300/D
300	61/2.52	1.8	2.8	61	0.0601	600	565	9500	300/D	
400	61/2.85	2.0	3.1	68	0.0470	600	655	12500	200/D	
4	2.5	7/0.67	0.7	1.8	13.0	7.41	2100	28	230	500/D
	4	7/0.85	0.7	1.8	14.5	4.61	1700	37	300	500/D
	6	7/1.04	0.7	1.8	16.0	3.08	1450	48	390	500/D
	10	7/1.35	0.7	1.8	17.5	1.83	1250	64	550	500/D
	16	7/1.70	0.7	1.8	20	1.15	1000	86	800	500/D
	25	7/2.14	0.9	1.8	24	0.727	1050	115	1200	500/D
	35	19/1.53	0.9	1.8	27	0.524	900	140	1600	500/D
	50	19/1.78	1.0	1.9	30	0.387	850	170	2200	500/D
	70	19/2.14	1.1	2.0	35	0.268	800	215	3000	500/D
	95	19/2.52	1.1	2.1	39	0.193	650	260	4100	500/D
	120	37/2.03	1.2	2.3	44	0.153	650	305	5000	500/D
	150	37/2.25	1.4	2.4	49	0.124	700	350	6500	500/D
	185	37/2.52	1.6	2.6	54	0.0991	700	405	8000	300/D
	240	61/2.25	1.7	2.8	61	0.0754	650	490	10000	300/D
300	61/2.52	1.8	3.0	68	0.0601	600	565	13000	200/D	
400	61/2.85	2.0	3.3	76	0.0470	600	655	16000	200/D	

D : Packing in drum.

Note: We reserve the right to alter this specification without notice.