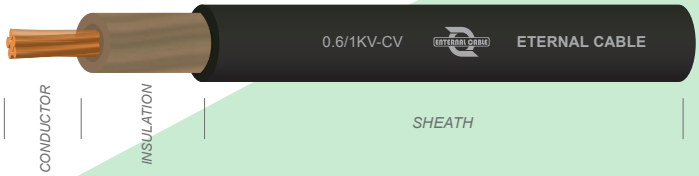
0.6/1KV-CV

IEC 60502-1

0.6/1 kV 90 °C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED FLAM RETARDANT POWER CABLE



CONDUCTOR

INSULATION

SHEATH

CABLE STRUCTURE

Conductor : Concentric Stranded and compacted round annealed copper
Single-core : Size 1.5 mm² up to 1,000 mm²
Multi-cores : Size 1.5 mm² up to 400 mm²

Insulation : Cross-linked Polyethylene (XLPE)

Core identification

Single-core : Natural (translucent)
2 Cores : Blue and Brown
3 Cores : Brown, Black and Grey
4 Cores : Blue, Brown, Black and Grey
Other colors are available on customer request

Sheath : Black polyvinyl chloride (PVC/ST2)

TECHNICAL DATA

Classification : Maximum conductor temperature 90 °C
: Circuit voltage not exceeding 1,100 Volts
Rated voltage (U_o/U) 0.6/1 kV
600 Volts between Line-to-Earth
1,000 Volts between Line-to-Line

Testing voltage : 3,500 Volts

Reference standard : IEC 60502-1, IEC 60228, IEC 60332-1

APPLICATION

Use for installation in open tray, conduit, underground duct trench or direct burial in ground, at wet or dry location.

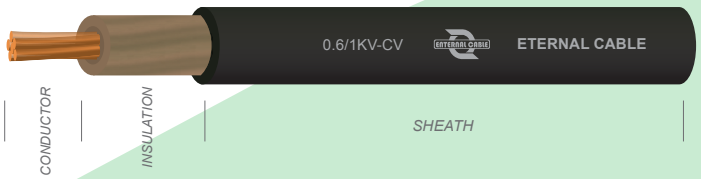
Number of core	Nominal cross sectional area (mm²)	Number of wires minimum (No./mm)	Insulation thickness nominal (mm)	Shealth thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 70°C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
1	1.5	7/0.53	0.7	1.4	6.3	12.1	2,500	31	50	500/D
	2.5	7/0.67	0.7	1.4	6.8	7.41	2,100	42	60	500/D
	4	7/0.85	0.7	1.4	7.3	4.61	1,700	55	80	500/D
	6	7/1.04	0.7	1.4	7.9	3.08	1,450	69	100	500/D
	10	6	0.7	1.4	8.4	1.83	1,250	93	140	500/D
	16	6	0.7	1.4	9.4	1.15	1,000	123	200	500/D
	25	6	0.9	1.4	11.0	0.727	1,050	164	310	500/D
	35	6	0.9	1.4	12.0	0.524	900	202	400	500/D
	50	6	1.0	1.4	13.5	0.387	850	245	500	500/D
	70	12	1.1	1.4	15.0	0.268	800	309	750	500/D
	95	15	1.1	1.5	17.5	0.193	650	383	1,000	500/D
	120	18	1.2	1.5	19.0	0.153	650	446	1,200	500/D
	150	18	1.4	1.6	21	0.124	700	510	1,500	500/D
	185	30	1.6	1.6	23	0.0991	700	591	1,900	500/D
	240	34	1.7	1.7	26	0.0754	650	705	2,500	500/D
	300	34	1.8	1.8	29	0.0601	600	814	3,100	500/D
	400	53	2.0	1.9	32	0.0470	600	950	3,900	500/D
	500	53	2.2	2.0	36	0.0366	600	1,111	5,000	500/D
	630	53	2.4	2.2	40	0.0283	550	1,293	6,500	500/D
	800	53	2.6	2.3	45	0.0221	550	1,486	8,500	300/D
	1,000	53	2.8	2.4	51	0.0176	500	1,701	10,500	300/D

D : Packing in drum

0.6/1KV-CV

IEC 60502-1

0.6/1 kV 90 °C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED FLAM RETARDANT POWER CABLE



CABLE STRUCTURE

Conductor : Concentric Stranded and compacted round annealed copper
Single-core : Size 1.5 mm² up to 1,000 mm²
Multi-cores : Size 1.5 mm² up to 400 mm²

Insulation : Cross-linked Polyethylene (XLPE)

Core identification

Single-core : Natural (translucent)
2 Cores : Blue and Brown
3 Cores : Brown, Black and Grey
4 Cores : Blue, Brown, Black and Grey
Other colors are available on customer request

Sheath : Black flame retardant polyvinyl chloride (PVC/ST2)

TECHNICAL DATA

Classification : Maximum conductor temperature 90 °C
: Circuit voltage not exceeding 1,200 Volts
Rated voltage (U_o/U) 0.6/1 kV
600 Volts between Line-to-Earth
1,000 Volts between Line-to-Line

Testing voltage : 3,500 Volts

Reference standard : IEC 60502-1, IEC 60228, IEC 60332-1
IEC 60332-3 Cat.C

APPLICATION

Use for installation in open tray, conduit, underground duct trench or direct burial in ground, at wet or dry location.

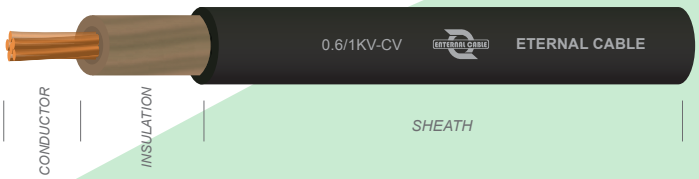
Number of core	Nominal cross sectional area (mm^2)	A.C. Resistance R (V/km)	Inductance L (mH/km)	Reactance XL (V/km)	Impedance Z (V/km)
1	1.5	15.4287	0.5005	0.1572	15.4295
	2.5	9.4485	0.4665	0.1466	9.4496
	4	5.8782	0.4339	0.1363	5.8798
	6	3.9273	0.4103	0.1289	3.9295
	10	2.3335	0.3916	0.1230	2.3367
	16	1.4665	0.3670	0.1153	1.4710
	25	0.9272	0.3540	0.1112	0.9338
	35	0.6684	0.3410	0.1070	0.6769
	50	0.4938	0.3300	0.1037	0.5046
	70	0.3423	0.3200	0.1005	0.3567
	95	0.2469	0.3120	0.0982	0.2657
	120	0.1961	0.3070	0.0965	0.2185
	150	0.1594	0.3070	0.0965	0.1863
	185	0.1279	0.3050	0.0958	0.1598
	240	0.0983	0.3000	0.0943	0.1362
	300	0.0793	0.2970	0.0934	0.1225
	400	0.0633	0.2950	0.0927	0.1122
	500	0.0510	0.2920	0.0914	0.1050
	630	0.0415	0.2900	0.0911	0.1001
	800	0.0348	0.2870	0.0903	0.0967
	1,000	0.0303	0.2830	0.0889	0.0939

Laying Type : Touching

0.6/1KV-CV

IEC 60502-1

0.6/1 kV 90 °C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED FLAM RETARDANT POWER CABLE



CABLE STRUCTURE

Conductor : Concentric Stranded and compacted round annealed copper
Single-core : Size 1.5 mm² up to 1,000 mm²
Multi-cores : Size 1.5 mm² up to 400 mm²

Insulation : Cross-linked Polyethylene (XLPE)

Core identification

Single-core : Natural (translucent)
2 Cores : Blue and Brown
3 Cores : Brown, Black and Grey
4 Cores : Blue, Brown, Black and Grey
Other colors are available on customer request

Sheath : Black flame retardant polyvinyl chloride (PVC/ST2)

TECHNICAL DATA

Classification : Maximum conductor temperature 90 °C
: Circuit voltage not exceeding 1,200 Volts
Rated voltage (U_o/U) 0.6/1 kV
600 Volts between Line-to-Earth
1,000 Volts between Line-to-Line

Testing voltage : 3,500 Volts

Reference standard : IEC 60502-1, IEC 60228, IEC 60332-1
IEC 60332-3 Cat.C

APPLICATION

Use for installation in open tray, conduit, underground duct trench or direct burial in ground, at wet or dry location.

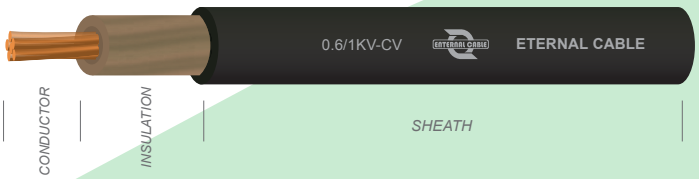
Number of core	Nominal cross sectional area (mm²)	A.C. Resistance R (V/km)	Inductance L (mH/km)	Reactance XL (V/km)	Impedance Z (V/km)
1	1.5	15.4287	0.6391	0.2008	15.4300
	2.5	9.4485	0.6051	0.1901	9.4500
	4	5.9782	0.5726	0.1799	5.8810
	6	3.9273	0.5489	0.1724	3.9311
	10	2.3335	0.5302	0.1666	2.3394
	16	1.4665	0.5056	0.1589	1.4750
	25	0.9271	0.4930	0.1547	0.9399
	35	0.6683	0.4790	0.1506	0.6851
	50	0.4937	0.4690	0.1473	0.5152
	70	0.3420	0.4590	0.1441	0.3711
	95	0.2465	0.4510	0.1417	0.2844
	120	0.1957	0.4460	0.1400	0.2406
	150	0.1588	0.4460	0.1400	0.2117
	185	0.1272	0.4440	0.1394	0.1887
	240	0.0973	0.4390	0.1379	0.1688
	300	0.0781	0.4360	0.1369	0.1576
	400	0.0618	0.3430	0.1362	0.1496
	500	0.0490	0.4310	0.1353	0.1439
	630	0.0390	0.4290	0.1347	0.1402
	800	0.0318	0.4260	0.1338	0.1375
	1,000	0.0268	0.4210	0.1324	0.1351

Laying Type : Spacing

0.6/1KV-CV

IEC 60502-1

0.6/1 kV 90 °C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED FLAM RETARDANT POWER CABLE



CABLE STRUCTURE

Conductor : Concentric Stranded and compacted round annealed copper
Single-core : Size 1.5 mm² up to 1,000 mm²
Multi-cores : Size 1.5 mm² up to 400 mm²

Insulation : Cross-linked Polyethylene (XLPE)

Core identification

Single-core : Natural (translucent)
2 Cores : Blue and Brown
3 Cores : Brown, Black and Grey
4 Cores : Blue, Brown, Black and Grey
Other colors are available on customer request

Sheath : Black flame retardant polyvinyl chloride (PVC/ST2)

TECHNICAL DATA

Classification : Maximum conductor temperature 90 °C
: Circuit voltage not exceeding 1,200 Volts
Rated voltage (U_o/U) 0.6/1 kV
600 Volts between Line-to-Earth
1,000 Volts between Line-to-Line

Testing voltage : 3,500 Volts

Reference standard : IEC 60502-1, IEC 60228, IEC 60332-1
IEC 60332-3 Cat.C

APPLICATION

Use for installation in open tray, conduit, underground duct trench or direct burial in ground, at wet or dry location.

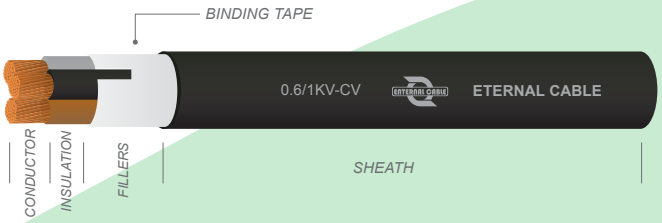
Number of core	Nominal cross sectional area (mm²)	A.C. Resistance R (V/km)	Inductance L (mH/km)	Reactance XL (V/km)	Impedance Z (V/km)
1	1.5	15.4287	0.4542	0.1427	15.4294
	2.5	9.4485	0.4203	0.1320	9.4494
	4	5.8782	0.3877	0.1218	5.8795
	6	3.9273	0.3640	0.1144	3.9280
	10	2.3335	0.3453	0.1085	2.3360
	16	1.4665	0.3208	0.1008	1.4699
	25	0.9272	0.3080	0.0967	0.9322
	35	0.6684	0.2950	0.0925	0.6748
	50	0.4938	0.2840	0.0892	0.5018
	70	0.3423	0.2740	0.0860	0.3529
	95	0.2469	0.2660	0.0836	0.2607
	120	0.1961	0.2610	0.0820	0.2125
	150	0.1594	0.2610	0.0819	0.1792
	185	0.1279	0.2590	0.0813	0.1516
	240	0.0983	0.2540	0.0798	0.1266
	300	0.0793	0.2510	0.0788	0.1118
	400	0.0633	0.2490	0.0781	0.1006
	500	0.0501	0.2460	0.0772	0.0925
	630	0.0415	0.2440	0.0766	0.0871
	800	0.0348	0.2410	0.0757	0.0834
	1,000	0.0303	0.2370	0.0743	0.0803

Laying Type : Trefoil

0.6/1KV-CV

IEC 60502-1

0.6/1 kV 90 °C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED FLAM RETARDANT POWER CABLE



CABLE STRUCTURE

Conductor : Concentric Stranded and compacted round annealed copper
Single-core : Size 1.5 mm² up to 1,000 mm²
Multi-cores : Size 1.5 mm² up to 400 mm²

Insulation : Cross-linked Polyethylene (XLPE)

Core identification

Single-core : Natural (translucent)
2 Cores : Blue and Brown
3 Cores : Brown, Black and Grey
4 Cores : Blue, Brown, Black and Grey
Other colors are available on customer request

Sheath : Black polyvinyl chloride (PVC/ST2)

TECHNICAL DATA

Classification : Maximum conductor temperature 90 °C
: Circuit voltage not exceeding 1,100 Volts
Rated voltage (U_o/U) 0.6/1 kV
600 Volts between Line-to-Earth
1,000 Volts between Line-to-Line

Testing voltage : 3,500 Volts

Reference standard : IEC 60502-1, IEC 60228, IEC 60332-1

APPLICATION

Use for installation in open tray, conduit, underground duct trench or direct burial in ground, at wet or dry location.

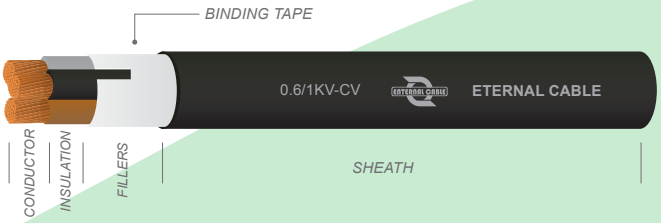
Number of core	Nominal cross sectional area (mm²)	Number of wires minimum (No./mm)	Insulation thickness nominal (mm)	Shealth thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 70°C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
2	1.5	7/0.53	0.7	1.8	11.0	12.1	2,500	27	130	500/D
	2.5	7/0.67	0.7	1.8	12.0	7.41	2,100	35	160	500/D
	4	7/0.85	0.7	1.8	13.0	4.61	1,700	46	200	500/D
	6	7/1.04	0.7	1.8	14.0	3.08	1,450	59	260	500/D
	10	6	0.7	1.8	15.0	1.83	1,250	79	340	500/D
	16	6	0.7	1.8	17.0	1.15	1,000	106	480	500/D
	25	6	0.9	1.8	20	0.727	1,050	141	700	500/D
	35	6	0.9	1.8	23	0.524	900	173	900	500/D
	50	6	1.0	1.8	25	0.387	850	213	1,200	500/D
	70	12	1.1	1.8	29	0.268	800	268	1,700	500/D
	95	15	1.1	2.0	33	0.193	650	329	2,300	500/D
	120	18	1.2	2.1	37	0.153	650	381	2,800	500/D
	150	18	1.4	2.2	41	0.124	700	436	3,500	500/D
	185	30	1.6	2.3	45	0.0991	700	503	4,300	500/D
	240	34	1.7	2.5	51	0.0754	650	593	5,500	500/D
	300	34	1.8	2.7	56	0.0601	600	676	7,000	300/D
	400	53	2.0	2.9	63	0.0470	600	777	9,000	300/D

D : Packing in drum

0.6/1KV-CV

IEC 60502-1

0.6/1 kV 90 °C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED FLAM RETARDANT POWER CABLE



CABLE STRUCTURE

Conductor : Concentric Stranded and compacted round annealed copper
Single-core : Size 1.5 mm² up to 1,000 mm²
Multi-cores : Size 1.5 mm² up to 400 mm²

Insulation : Cross-linked Polyethylene (XLPE)

Core identification

Single-core : Natural (translucent)
2 Cores : Blue and Brown
3 Cores : Brown, Black and Grey
4 Cores : Blue, Brown, Black and Grey
Other colors are available on customer request

Sheath : Black flame retardant polyvinyl chloride (PVC/ST2)

TECHNICAL DATA

Classification : Maximum conductor temperature 90 °C
: Circuit voltage not exceeding 1,200 Volts
Rated voltage (U_o/U) 0.6/1 kV
600 Volts between Line-to-Earth
1,000 Volts between Line-to-Line

Testing voltage : 3,500 Volts

Reference standard : IEC 60502-1, IEC 60228, IEC 60332-1
IEC 60332-3 Cat.C

APPLICATION

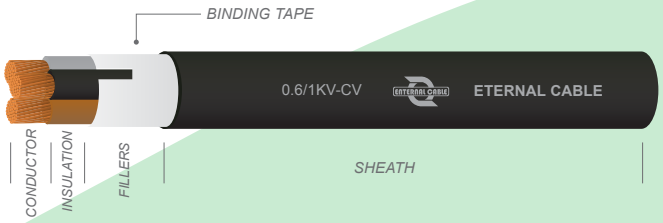
Use for installation in open tray, conduit, underground duct trench or direct burial in ground, at wet or dry location.

Number of core	Nominal cross sectional area (mm^2)	A.C. Resistance R (V/km)	Inductance L (mH/km)	Reactance XL (V/km)	Impedance Z (V/km)
2	1.5	15.3997	0.3270	0.1028	15.4000
	2.5	9.4495	0.3000	0.0941	9.4500
	4	5.8803	0.2790	0.0876	5.8810
	6	3.9301	0.2660	0.0837	3.9310
	10	2.3296	0.2570	0.0806	2.3310
	16	1.4700	0.2440	0.0767	1.4720
	25	0.9272	0.2440	0.0768	0.9304
	35	0.6232	0.2380	0.0748	0.6277
	50	0.4939	0.2340	0.0736	0.4994
	70	0.3424	0.2310	0.0726	0.3500
	95	0.2456	0.2250	0.0725	0.2561
	120	0.1963	0.2240	0.0706	0.2086
	150	0.1599	0.2250	0.0702	0.1747
	185	0.1283	0.2270	0.0712	0.1468
	240	0.0987	0.2240	0.0704	0.1212
	300	0.0799	0.2220	0.0698	0.1061
	400	0.0640	0.2220	0.0696	0.0946

0.6/1KV-CV

IEC 60502-1

0.6/1 kV 90 °C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED FLAM RETARDANT POWER CABLE



CABLE STRUCTURE

Conductor : Concentric Stranded and compacted round annealed copper
Single-core : Size 1.5 mm² up to 1,000 mm²
Multi-cores : Size 1.5 mm² up to 400 mm²

Insulation : Cross-linked Polyethylene (XLPE)

Core identification

Single-core : Natural (translucent)
2 Cores : Blue and Brown
3 Cores : Brown, Black and Grey
4 Cores : Blue, Brown, Black and Grey
Other colors are available on customer request

Sheath : Black polyvinyl chloride (PVC/ST2)

TECHNICAL DATA

Classification : Maximum conductor temperature 90 °C
: Circuit voltage not exceeding 1,100 Volts
Rated voltage (U_o/U) 0.6/1 kV
600 Volts between Line-to-Earth
1,000 Volts between Line-to-Line

Testing voltage : 3,500 Volts

Reference standard : IEC 60502-1, IEC 60228, IEC 60332-1

APPLICATION

Use for installation in open tray, conduit, underground duct trench or direct burial in ground, at wet or dry location.

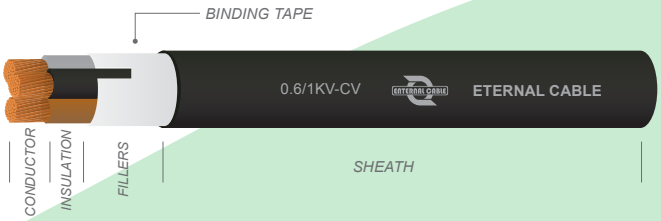
Number of core	Nominal cross sectional area (mm²)	Number of wires minimum (No./mm)	Insulation thickness nominal (mm)	Shealth thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 70°C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
3	1.5	7/0.53	0.7	1.8	11.5	12.1	2,500	22	150	500/D
	2.5	7/0.67	0.7	1.8	12.5	7.41	2,100	29	190	500/D
	4	7/0.85	0.7	1.8	13.5	4.61	1,700	39	240	500/D
	6	7/1.04	0.7	1.8	15.0	3.08	1,450	49	320	500/D
	10	6	0.7	1.8	16.0	1.83	1,250	66	440	500/D
	16	6	0.7	1.8	18.0	1.15	1,000	88	650	500/D
	25	6	0.9	1.8	22	0.727	1,050	118	950	500/D
	35	6	0.9	1.8	24	0.524	900	145	1,300	500/D
	50	6	1.0	1.8	27	0.387	850	176	1,600	500/D
	70	12	1.1	1.9	31	0.268	800	222	2,300	500/D
	95	15	1.1	2.0	36	0.193	650	272	3,100	500/D
	120	18	1.2	2.1	39	0.153	650	320	4,000	500/D
	150	18	1.4	2.3	44	0.124	700	366	4,900	500/D
	185	30	1.6	2.4	49	0.0991	700	422	6,000	500/D
	240	34	1.7	2.6	55	0.0754	650	498	8,000	300/D
	300	34	1.8	2.8	61	0.0601	600	567	10,000	300/D
	400	53	2.0	3.1	68	0.0470	600	652	12,500	200/D

D : Packing in drum

0.6/1KV-CV

IEC 60502-1

0.6/1 kV 90 °C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED FLAM RETARDANT POWER CABLE



CABLE STRUCTURE

Conductor : Concentric Stranded and compacted round annealed copper
Single-core : Size 1.5 mm² up to 1,000 mm²
Multi-cores : Size 1.5 mm² up to 400 mm²

Insulation : Cross-linked Polyethylene (XLPE)

Core identification

Single-core : Natural (translucent)
2 Cores : Blue and Brown
3 Cores : Brown, Black and Grey
4 Cores : Blue, Brown, Black and Grey
Other colors are available on customer request

Sheath : Black flame retardant polyvinyl chloride (PVC/ST2)

TECHNICAL DATA

Classification : Maximum conductor temperature 90 °C
: Circuit voltage not exceeding 1,200 Volts
Rated voltage (U_o/U) 0.6/1 kV
600 Volts between Line-to-Earth
1,000 Volts between Line-to-Line

Testing voltage : 3,500 Volts

Reference standard : IEC 60502-1, IEC 60228, IEC 60332-1
IEC 60332-3 Cat.C

APPLICATION

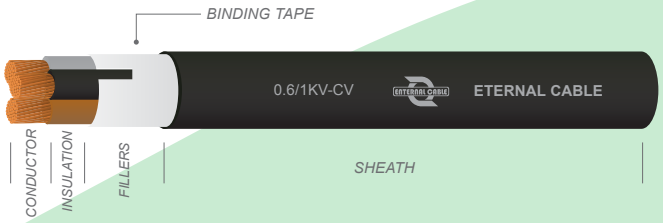
Use for installation in open tray, conduit, underground duct trench or direct burial in ground, at wet or dry location.

Number of core	Nominal cross sectional area (mm^2)	A.C. Resistance R (V/km)	Inductance L (mH/km)	Reactance XL (V/km)	Impedance Z (V/km)
3	1.5	15.4000	0.3273	0.1028	15.4000
	2.5	9.4500	0.2996	0.0941	9.4500
	4	5.8800	0.2787	0.0876	5.8810
	6	3.9300	0.2663	0.0837	3.9310
	10	2.3300	0.2567	0.0806	2.3310
	16	1.4700	0.2440	0.0767	1.4720
	25	0.9272	0.2445	0.0768	0.9304
	35	0.6685	0.2381	0.0748	0.6727
	50	0.4939	0.2342	0.0736	0.4994
	70	0.3424	0.2308	0.0725	0.3500
	95	0.2471	0.2248	0.0706	0.2561
	120	0.1964	0.2235	0.0702	0.2086
	150	0.1597	0.2251	0.0707	0.1747
	185	0.1283	0.2267	0.0712	0.1468
	240	0.0987	0.2240	0.0704	0.1212
	300	0.0799	0.2222	0.0698	0.1061
	400	0.0640	0.2216	0.0696	0.0946

0.6/1KV-CV

IEC 60502-1

0.6/1 kV 90 °C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED FLAM RETARDANT POWER CABLE



CABLE STRUCTURE

Conductor : Concentric Stranded and compacted round annealed copper
Single-core : Size 1.5 mm² up to 1,000 mm²
Multi-cores : Size 1.5 mm² up to 400 mm²

Insulation : Cross-linked Polyethylene (XLPE)

Core identification

Single-core : Natural (translucent)
2 Cores : Blue and Brown
3 Cores : Brown, Black and Grey
4 Cores : Blue, Brown, Black and Grey
Other colors are available on customer request

Sheath : Black polyvinyl chloride (PVC/ST2)

TECHNICAL DATA

Classification : Maximum conductor temperature 90 °C
: Circuit voltage not exceeding 1,100 Volts
Rated voltage (U_o/U) 0.6/1 kV
600 Volts between Line-to-Earth
1,000 Volts between Line-to-Line

Testing voltage : 3,500 Volts

Reference standard : IEC 60502-1, IEC 60228, IEC 60332-1
IEC 60332-3 Cat.C

APPLICATION

Use for installation in open tray, conduit, underground duct trench or direct burial in ground, at wet or dry location.

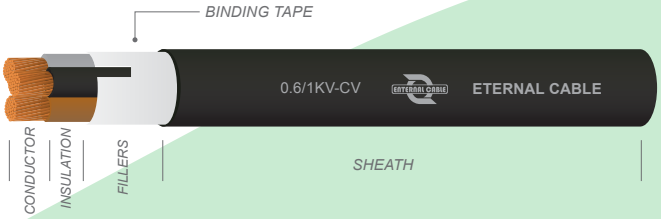
Number of core	Nominal cross sectional area (mm²)	Number of wires minimum (No./mm)	Insulation thickness nominal (mm)	Shealth thickness nominal (mm)	Overall diameter maximum (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 70°C minimum (MΩ-km)	Continuous current rating in free air maximum (A)	Cable weight approx. (kg/km)	Standard length (m)
4	1.5	7/0.53	0.7	1.8	12.0	12.1	2,500	22	180	500/D
	2.5	7/0.67	0.7	1.8	13.5	7.41	2,100	29	230	500/D
	4	7/0.85	0.7	1.8	14.5	4.61	1,700	39	300	500/D
	6	7/1.04	0.7	1.8	16.0	3.08	1,450	49	400	500/D
	10	6	0.7	1.8	17.5	1.83	1,250	66	550	500/D
	16	6	0.7	1.8	20	1.15	1,000	88	800	500/D
	25	6	0.9	1.8	24	0.727	1,050	118	1,200	500/D
	35	6	0.9	1.8	27	0.524	900	145	1,600	500/D
	50	6	1.0	1.9	30	0.387	850	176	2,200	500/D
	70	12	1.1	2.0	35	0.268	800	222	3,000	500/D
	95	15	1.1	2.1	39	0.193	650	272	4,100	500/D
	120	18	1.2	2.3	44	0.153	650	320	5,000	500/D
	150	18	1.4	2.4	49	0.124	700	366	6,500	500/D
	185	30	1.6	2.6	54	0.0991	700	422	8,000	300/D
	240	34	1.7	2.8	61	0.0754	650	498	10,500	300/D
	300	34	1.8	3.0	68	0.0601	600	567	13,000	200/D
	400	53	2.0	3.3	76	0.0470	600	652	16,500	200/D

D : Packing in drum

0.6/1KV-CV

IEC 60502-1

0.6/1 kV 90 °C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED FLAM RETARDANT POWER CABLE



CABLE STRUCTURE

Conductor : Concentric Stranded and compacted round annealed copper
Single-core : Size 1.5 mm² up to 1,000 mm²
Multi-cores : Size 1.5 mm² up to 400 mm²

Insulation : Cross-linked Polyethylene (XLPE)

Core identification

Single-core : Natural (translucent)
2 Cores : Blue and Brown
3 Cores : Brown, Black and Grey
4 Cores : Blue, Brown, Black and Grey
Other colors are available on customer request

Sheath : Black flame retardant polyvinyl chloride (PVC/ST2)

TECHNICAL DATA

Classification : Maximum conductor temperature 90 °C
: Circuit voltage not exceeding 1,200 Volts
Rated voltage (U_o/U) 0.6/1 kV
600 Volts between Line-to-Earth
1,000 Volts between Line-to-Line

Testing voltage : 3,500 Volts

Reference standard : IEC 60502-1, IEC 60228, IEC 60332-1
IEC 60332-3 Cat.C

APPLICATION

Use for installation in open tray, conduit, underground duct trench or direct burial in ground, at wet or dry location.

Number of core	Nominal cross sectional area (mm²)	A.C. Resistance R (V/km)	Inductance L (mH/km)	Reactance XL (V/km)	Impedance Z (V/km)
4	1.5	15.3996	0.3740	0.1175	15.4000
	2.5	9.4504	0.3460	0.1088	9.4510
	4	5.8801	0.3250	0.1022	5.8810
	6	3.9298	0.3130	0.0983	3.9310
	10	2.3301	0.3040	0.0953	2.3320
	16	1.4702	0.2910	0.0913	1.4730
	25	0.9272	0.2910	0.0915	0.9317
	35	0.6684	0.2850	0.0895	0.6744
	50	0.4939	0.2810	0.0882	0.5017
	70	0.3423	0.2770	0.0872	0.3532
	95	0.2470	0.2710	0.0853	0.2613
	120	0.1962	0.2700	0.0849	0.2138
	150	0.1595	0.2720	0.0854	0.1809
	185	0.1280	0.2730	0.0859	0.1542
	240	0.0983	0.2710	0.0850	0.1300
	300	0.0794	0.2690	0.0845	0.1159
	400	0.0634	0.2680	0.0843	0.1055