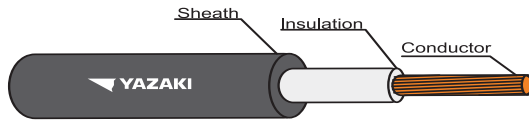


FD-0.6/1KV-CV or YK FD-0.6/1KV-CV

0.6/1KV 90°C CROSS-LINKED POLYETHYLENE INSULATED AND PVC SHEATHED FLAME RETARDANT POWER CABLE



IEC 60502-1

TIS 2143-2546



CABLE STRUCTURE




- Conductor** : Non-compacted and compacted stranded annealed copper wire
- Insulation** : Cross-Linked polyethylene (XLPE)
- Insulation color** : Natural (Translucent)
- 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** : 600 Volts between Line to Earth
: 1,000 Volts between Line to Line
- AC Testing voltage** : 3,500 Volts
- Reference standard** : IEC 60502-1, IEC 60228, IEC 60332-1, IEC 60332-3-24; Category C, TIS 2143-2546

APPLICATION

For installation exposed, or in raceway, wet or dry location, or direct burial in ground.


Cable name	Number x Size of conductor (No.x mm ²)	Conductor type	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (MΩ-km)	Continuous current rating in free air at 40°C maximum (A)			Continuous current rating in ground at 30°C maximum (A)	Cable weight approx (kg/km)	Standard length per drum (m)
								Spaced 	Touching 	Trefoil 			
FD-0.6/1KV-CV	1x1.5	Non-compacted	0.7	1.4	6.5	12.1	2,500	31	24	23	33	50	500
YK FD-0.6/1KV-CV	1x2.5	Non-compacted	0.7	1.4	7.0	7.41	2,100	42	32	31	43	65	1000
	1x4	Non-compacted	0.7	1.4	7.5	4.61	1,700	54	42	41	55	80	1000
	1x6	Non-compacted	0.7	1.4	8.0	3.08	1,450	68	53	52	70	100	1000
	1x10	Non-compacted	0.7	1.4	9.0	1.83	1,250	90	73	71	92	150	1000
	1x16	Compacted	0.7	1.4	9.5	1.15	1,000	124	95	93	119	200	1000
	1x25	Compacted	0.9	1.4	11.0	0.727	1,050	166	128	123	152	300	1000
	1x35	Compacted	0.9	1.4	12.5	0.524	900	206	160	154	184	390	1000
	1x50	Compacted	1.0	1.4	13.5	0.387	850	250	197	188	217	500	1000
	1x70	Compacted	1.1	1.4	15.5	0.268	800	321	254	244	266	700	1000
	1x95	Compacted	1.1	1.5	17.5	0.193	650	391	311	298	318	950	1000
	1x120	Compacted	1.2	1.5	19.0	0.153	650	455	364	349	362	1200	1000
	1x150	Compacted	1.4	1.6	21.0	0.124	700	525	422	404	406	1500	1000
	1x185	Compacted	1.6	1.6	23.0	0.0991	700	602	485	464	459	1800	1000
1x240	Compacted	1.7	1.7	26.0	0.0754	650	711	577	552	533	2400	1000	
FD-0.6/1KV-CV	1x300	Compacted	1.8	1.8	29.0	0.0601	600	821	670	640	601	3100	500
	1x400	Compacted	2.0	1.9	32.0	0.0470	600	987	790	749	684	3900	500
	1x500	Compacted	2.2	2.0	36.0	0.0366	600	1140	908	861	777	5000	500
	1x630	Compacted	2.4	2.2	40.0	0.0283	550	1298	1064	1014	1229	6500	500
	1x800	Compacted	2.6	2.3	45.0	0.0221	550	1494	1220	1156	1380	8000	500
	1x1000	Compacted	2.8	2.4	51.0	0.0176	500	1712	1391	1307	1532	10500	500

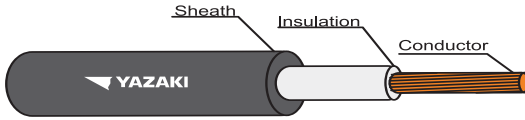
Remark : Thermal resistivity of soil 1.2 K.m/W or °C.m/W
Deep of laying (For cable laid direct in ground) 0.8 m

FD-0.6/1KV-CV or YK FD-0.6/1KV-CV

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

IEC 60502-1

 TIS 2143-2546



CABLE STRUCTURE

- Conductor** : Non-compacted and compacted stranded annealed copper wire
- Insulation** : Cross-Linked polyethylene (XLPE)
- Insulation color** : Natural (Translucent)
- 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** : 600 Volts between Line to Earth
: 1,000 Volts between Line to Line
- AC Testing voltage** : 3,500 Volts
- Reference standard** : IEC 60502-1, IEC 60228, IEC 60332-1, IEC 60332-3-24; Category C, TIS 2143-2546

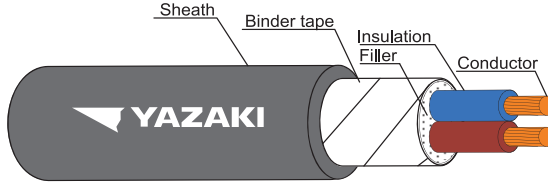
APPLICATION

For installation exposed, or in raceway, wet or dry location, or direct burial in ground.

Cable name	Number x Size of conductor (No.x mm ²)	Conductor type	A.C. Resistance R (Ω/km)			Inductance L (mH/km)			Reactance XL (Ω/km)			Inductance Z Impedance		
			Spaced	Touching	Trefoil	Spaced	Touching	Trefoil	Spaced	Touching	Trefoil	Spaced	Touching	Trefoil
FD-0.6/1KV-CV	1x1.5	Non-compacted	15.4287	15.4287	15.4287	0.6630	0.5244	0.4782	0.2083	0.1647	0.1502	15.4301	15.4296	15.4294
	1x2.5	Non-compacted	9.4485	9.4485	9.4485	0.6314	0.4928	0.4466	0.1984	0.1548	0.1403	9.4506	9.4498	9.4495
	1x4	Non-compacted	5.8782	5.8782	5.8782	0.5988	0.4602	0.4140	0.1881	0.1446	0.1301	5.8812	5.8800	5.8796
	1x6	Non-compacted	3.9273	3.9273	3.9273	0.5754	0.4368	0.3906	0.1808	0.1372	0.1227	3.9315	3.9297	3.9292
	1x10	Non-compacted	2.3335	2.3335	2.3335	0.5459	0.4072	0.3610	0.1715	0.1279	0.1134	2.3398	2.3370	2.3363
	1x16	Compacted	1.4664	1.4664	1.4665	0.5284	0.3898	0.3436	0.1660	0.1225	0.1079	1.4758	1.4715	1.4705
	1x25	Compacted	0.9271	0.9271	0.9272	0.5159	0.3772	0.3310	0.1621	0.1185	0.1040	0.9412	0.9346	0.9330
	1x35	Compacted	0.6683	0.6683	0.6684	0.5017	0.3630	0.3168	0.1576	0.1140	0.0995	0.6866	0.6780	0.6758
	1x50	Compacted	0.4937	0.4937	0.4938	0.4913	0.3527	0.3065	0.1543	0.1108	0.0963	0.5173	0.5060	0.5031
	1x70	Compacted	0.3420	0.3421	0.3422	0.4716	0.3330	0.2867	0.1482	0.1046	0.0901	0.3727	0.3577	0.3539
	1x95	Compacted	0.2465	0.2467	0.2468	0.4651	0.3265	0.2803	0.1461	0.1026	0.0881	0.2866	0.2672	0.2620
	1x120	Compacted	0.1956	0.1959	0.1961	0.4587	0.3201	0.2738	0.1441	0.1006	0.0860	0.2430	0.2202	0.2141
	1x150	Compacted	0.1587	0.1591	0.1593	0.4555	0.3169	0.2706	0.1431	0.0996	0.0850	0.2137	0.1877	0.1806
	1x185	Compacted	0.1271	0.1275	0.1279	0.4536	0.3149	0.2687	0.1425	0.0989	0.0844	0.1909	0.1614	0.1532
1x240	Compacted	0.0972	0.0977	0.0982	0.4484	0.3098	0.2635	0.1409	0.0973	0.0828	0.1711	0.1379	0.1284	
FD-0.6/1KV-CV	1x300	Compacted	0.0779	0.0787	0.0792	0.4413	0.3027	0.2565	0.1386	0.0951	0.0806	0.1590	0.1234	0.1130
	1x400	Compacted	0.0616	0.0625	0.0632	0.4393	0.3007	0.2545	0.1380	0.0945	0.0800	0.1511	0.1133	0.1019
	1x500	Compacted	0.0488	0.0499	0.0509	0.4365	0.2979	0.2517	0.1371	0.0936	0.0791	0.1456	0.1061	0.0940
	1x630	Compacted	0.0387	0.0402	0.0414	0.4341	0.2954	0.2492	0.1364	0.0928	0.0783	0.1418	0.1011	0.0886
	1x800	Compacted	0.0314	0.0332	0.0346	0.4309	0.2923	0.2461	0.1354	0.0918	0.0773	0.1390	0.0976	0.0847
	1x1000	Compacted	0.0263	0.0284	0.0301	0.4265	0.2879	0.2416	0.1340	0.0904	0.0759	0.1365	0.0948	0.0817

FD-0.6/1KV-CV or YK FD-0.6/1KV-CV

0.6/1KV 90°C CROSS-LINKED POLYETHYLENE INSULATED AND PVC SHEATHED FLAME RETARDANT POWER CABLE



IEC 60502-1
TIS 2143-2546



CABLE STRUCTURE

- Conductor** : Non-compacted and compacted stranded annealed copper wire
- Insulation** : Cross-Linked polyethylene (XLPE)
- Insulation color** : Blue, Brown
- Filler** : Non-hygroscopic material
- Binder tape** : Non-hygroscopic tape
- 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** : 600 Volts between Line to Earth
: 1,000 Volts between Line to Line
- AC Testing voltage** : 3,500 Volts
- Reference standard** : IEC 60502-1, IEC 60228, IEC 60332-1,
IEC 60332-3-24; Category C,
TIS 2143-2546

APPLICATION

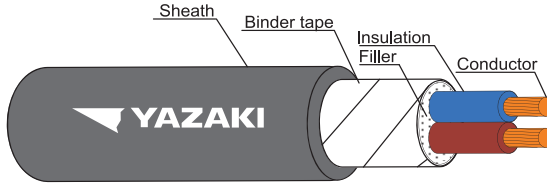
For installation exposed, or in raceway, wet or dry location, or direct burial in ground.

Cable name	Number x Size of conductor (No. x mm ²)	Conductor type	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (MΩ·km)	Continuous current rating in free air at 40°C maximum (A)	Continuous current rating in ground at 30°C maximum (A)	Cable weight approx (kg/km)	Standard length per drum (m)
FD-0.6/1KV-CV	2x1.5	Non-compacted	0.7	1.8	11.0	12.1	2,500	27	33	130	500
	2x2.5	Non-compacted	0.7	1.8	11.5	7.41	2,100	36	44	150	1000
	2x4	Non-compacted	0.7	1.8	12.5	4.61	1,700	47	58	190	1000
	2x6	Non-compacted	0.7	1.8	13.5	3.08	1,450	60	73	240	1000
	2x10	Non-compacted	0.7	1.8	16.0	1.83	1,250	81	97	340	1000
YK FD-0.6/1KV-CV	2x16	Compacted	0.7	1.8	17.5	1.15	1,000	107	125	500	1000
	2x25	Compacted	0.9	1.8	21.0	0.727	1,050	143	165	700	1000
	2x35	Compacted	0.9	1.8	23.0	0.524	900	175	195	900	1000
	2x50	Compacted	1.0	1.8	26.0	0.387	850	214	235	1200	1000
	2x70	Compacted	1.1	1.8	30.0	0.268	800	270	290	1700	1000
FD-0.6/1KV-CV	2x95	Compacted	1.1	2.0	33.0	0.193	650	329	350	2200	500
	2x120	Compacted	1.2	2.1	37.0	0.153	650	381	400	2800	500
	2x150	Compacted	1.4	2.2	41.0	0.124	700	436	450	3400	500
	2x185	Compacted	1.6	2.3	45.0	0.0991	700	503	505	4200	500
	2x240	Compacted	1.7	2.5	51.0	0.0754	650	593	585	5500	500
	2x300	Compacted	1.8	2.7	56.0	0.0601	600	676	665	7000	500
	2x400	Compacted	2.0	2.9	63.0	0.0470	600	777	750	8500	500

Remark : Thermal resistivity of soil 1.2 K.m/W or °C.m/W
Deep of laying (For cable laid direct in ground) 0.8 m

FD-0.6/1KV-CV or YK FD-0.6/1KV-CV

0.6/1KV 90°C CROSS-LINKED POLYETHYLENE INSULATED AND PVC SHEATHED FLAME RETARDANT POWER CABLE



IEC 60502-1
TIS 2143-2546



CABLE STRUCTURE

- Conductor** : Non-compacted and compacted stranded annealed copper wire
- Insulation** : Cross-Linked polyethylene (XLPE)
- Insulation color** : Blue, Brown
- Filler** : Non-hygroscopic material
- Binder tape** : Non-hygroscopic tape
- 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** : 600 Volts between Line to Earth
: 1,000 Volts between Line to Line
- AC Testing voltage** : 3,500 Volts
- Reference standard** : IEC 60502-1, IEC 60228, IEC 60332-1, IEC 60332-3-24; Category C, TIS 2143-2546

APPLICATION

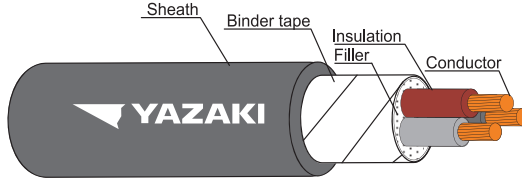
For installation exposed, or in raceway, wet or dry location, or direct burial in ground.


Cable name	Number x Size of conductor (No. x mm ²)	Conductor type	A.C. Resistance		Inductance		Reactance		Impedance	
			R (Ω/km)	L (mH/km)	XL (Ω/km)	Z (Ω/km)				
FD-0.6/1KV-CV	2x1.5	Non-compacted	15.4287	0.3427	0.1077	15.4291				
	2x2.5	Non-compacted	9.4485	0.3210	0.1009	9.4490				
	2x4	Non-compacted	5.8782	0.3010	0.0946	5.8790				
	2x6	Non-compacted	3.9273	0.2871	0.0902	3.9284				
YK FD-0.6/1KV-CV	2x10	Non-compacted	2.3335	0.2710	0.0851	2.3351				
	2x16	Compacted	1.4665	0.2624	0.0824	1.4688				
	2x25	Compacted	0.9272	0.2645	0.0831	0.9309				
	2x35	Compacted	0.6684	0.2569	0.0807	0.6733				
	2x50	Compacted	0.4938	0.2536	0.0797	0.5002				
	2x70	Compacted	0.3422	0.2421	0.0761	0.3506				
FD-0.6/1KV-CV	2x95	Compacted	0.2468	0.2331	0.0732	0.2575				
	2x120	Compacted	0.1960	0.2315	0.0727	0.2091				
	2x150	Compacted	0.1593	0.2302	0.0723	0.1749				
	2x185	Compacted	0.1278	0.2338	0.0734	0.1474				
	2x240	Compacted	0.0981	0.2295	0.0721	0.1217				
	2x300	Compacted	0.0791	0.2260	0.0710	0.1063				
	2x400	Compacted	0.0630	0.2259	0.0710	0.0949				

B

FD-0.6/1KV-CV or YK FD-0.6/1KV-CV

0.6/1KV 90°C CROSS-LINKED POLYETHYLENE INSULATED AND PVC SHEATHED FLAME RETARDANT POWER CABLE



IEC 60502-1
 TIS 2143-2546



CABLE STRUCTURE

- Conductor** : Non-compacted and compacted stranded annealed copper wire
- Insulation** : Cross-Linked polyethylene (XLPE)
- Insulation color** : Brown, Black, Grey
- Filler** : Non-hygroscopic material
- Binder tape** : Non-hygroscopic tape
- 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** : 600 Volts between Line to Earth
: 1,000 Volts between Line to Line
- AC Testing voltage** : 3,500 Volts
- Reference standard** : IEC 60502-1, IEC 60228, IEC 60332-1, IEC 60332-3-24; Category C, TIS 2143-2546

APPLICATION

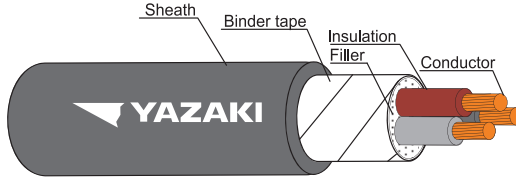
For installation exposed, or in raceway, wet or dry location, or direct burial in ground.

Cable name	Number x Size of conductor (No. x mm ²)	Conductor type	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (MΩ·km)	Continuous current rating in free air at 40°C maximum (A)	Continuous current rating in ground at 30°C maximum (A)	Cable weight approx (kg/km)	Standard length per drum (m)
FD-0.6/1KV-CV	3x1.5	Non-compacted	0.7	1.8	11.5	12.1	2,500	22	28	150	500
	3x2.5	Non-compacted	0.7	1.8	12.5	7.41	2,100	29	43	190	1000
	3x4	Non-compacted	0.7	1.8	13.5	4.61	1,700	38	55	250	1000
	3x6	Non-compacted	0.7	1.8	14.5	3.08	1,450	49	70	320	1000
	3x10	Non-compacted	0.7	1.8	16.5	1.83	1,250	68	92	460	1000
	3x16	Compacted	0.7	1.8	18.5	1.15	1,000	91	119	650	1000
	3x25	Compacted	0.9	1.8	22.0	0.727	1,050	116	152	950	1000
	3x35	Compacted	0.9	1.8	25.0	0.524	900	144	184	1200	1000
	3x50	Compacted	1.0	1.8	28.0	0.387	850	175	217	1600	1000
YK FD-0.6/1KV-CV	3x70	Compacted	1.1	1.9	32.0	0.268	800	224	266	2300	1000
	3x95	Compacted	1.1	2.0	36.0	0.193	650	272	295	3100	500
	3x120	Compacted	1.2	2.1	39.0	0.153	650	320	335	3900	500
	3x150	Compacted	1.4	2.3	44.0	0.124	700	366	380	4800	500
	3x185	Compacted	1.6	2.4	49.0	0.0991	700	422	425	6000	500
	3x240	Compacted	1.7	2.6	55.0	0.0754	650	498	495	8000	500
	3x300	Compacted	1.8	2.8	61.0	0.0601	600	567	560	9500	500
	3x400	Compacted	2.0	3.1	68.0	0.0470	600	652	630	12500	500

Remark : Thermal resistivity of soil 1.2 K.m./W or °C.m/W
 Deep of laying (For cable laid direct in ground) 0.8 m

FD-0.6/1KV-CV or YK FD-0.6/1KV-CV

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



IEC 60502-1
 TIS 2143-2546



CABLE STRUCTURE

- Conductor** : Non-compacted and compacted stranded annealed copper wire
- Insulation** : Cross-Linked polyethylene (XLPE)
- Insulation color** : Brown, Black, Grey
- Filler** : Non-hygroscopic material
- Binder tape** : Non-hygroscopic tape
- 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** : 600 Volts between Line to Earth
: 1,000 Volts between Line to Line
- AC Testing voltage** : 3,500 Volts
- Reference standard** : IEC 60502-1, IEC 60228, IEC 60332-1, IEC 60332-3-24; Category C, TIS 2143-2546

APPLICATION

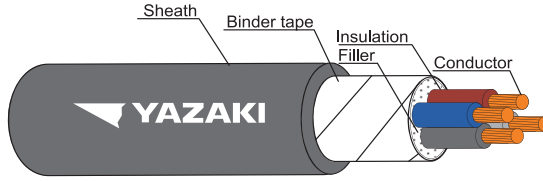
For installation exposed, or in raceway, wet or dry location, or direct burial in ground.

Cable name	Number x Size of conductor (No. x mm ²)	Conductor type	A.C. Resistance		Reactance		Impedance	
			R (Ω/km)	L (mH/km)	XL (Ω/km)	Z (Ω/km)		
FD-0.6/1KV-CV	3x1.5	Non-compacted	15.4287	0.3427	0.1077	15.4291		
	3x2.5	Non-compacted	9.4485	0.3210	0.1009	9.4490		
	3x4	Non-compacted	5.8782	0.3010	0.0946	5.8790		
	3x6	Non-compacted	3.9274	0.2871	0.0902	3.9284		
	3x10	Non-compacted	2.3335	0.2710	0.0851	2.3351		
	3x16	Compacted	1.4665	0.2624	0.0824	1.4688		
	3x25	Compacted	0.9272	0.2645	0.0831	0.9309		
	3x35	Compacted	0.6685	0.2569	0.0807	0.6733		
YK FD-0.6/1KV-CV	3x50	Compacted	0.4939	0.2536	0.0797	0.5003		
	3x70	Compacted	0.3424	0.2421	0.0761	0.3507		
	3x95	Compacted	0.2471	0.2331	0.0732	0.2577		
	3x120	Compacted	0.1964	0.2315	0.0727	0.2094		
	3x150	Compacted	0.1597	0.2302	0.0723	0.1753		
	3x185	Compacted	0.1282	0.2338	0.0734	0.1478		
	3x240	Compacted	0.0987	0.2295	0.0721	0.1222		
	3x300	Compacted	0.0798	0.2260	0.0710	0.1068		
FD-0.6/1KV-CV	3x400	Compacted	0.0639	0.2259	0.0710	0.0955		

B

FD-0.6/1KV-CV or YK FD-0.6/1KV-CV

0.6/1KV 90°C CROSS-LINKED POLYETHYLENE INSULATED AND PVC SHEATHED FLAME RETARDANT POWER CABLE



IEC 60502-1

TIS 2143-2546



CABLE STRUCTURE

- Conductor** : Non-compacted and compacted stranded annealed copper wire
- Insulation** : Cross-Linked polyethylene (XLPE)
- Insulation color** : Blue, Brown, Black, Grey
- Filler** : Non-hygroscopic material
- Binder tape** : Non-hygroscopic tape
- 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** : 600 Volts between Line to Earth
: 1,000 Volts between Line to Line
- AC Testing voltage** : 3,500 Volts
- Reference standard** : IEC 60502-1, IEC 60228, IEC 60332-1, IEC 60332-3-24; Category C, TIS 2143-2546

APPLICATION

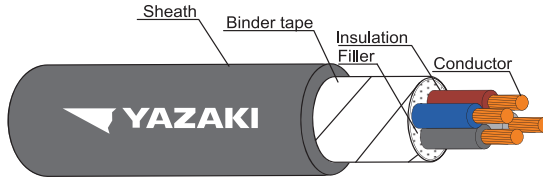
For installation exposed, or in raceway, wet or dry location, or direct burial in ground.

Cable name	Number x Size of conductor (No. x mm ²)	Conductor type	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (MΩ·km)	Continuous current rating in free air at 40°C maximum (A)	Continuous current rating in ground at 30°C maximum (A)	Cable weight approx (kg/km)	Standard length per drum (m)
FD-0.6/1KV-CV	4x1.5	Non-compacted	0.7	1.8	12.0	12.1	2,500	22	28	180	500
	4x2.5	Non-compacted	0.7	1.8	13.0	7.41	2,100	29	43	230	1000
	4x4	Non-compacted	0.7	1.8	14.5	4.61	1,700	38	55	300	1000
	4x6	Non-compacted	0.7	1.8	16.0	3.08	1,450	49	70	390	1000
	4x10	Non-compacted	0.7	1.8	18.0	1.83	1,250	68	92	550	1000
	4x16	Compacted	0.7	1.8	20.0	1.15	1,000	91	119	800	1000
	4x25	Compacted	0.9	1.8	24.0	0.727	1,050	116	152	1200	1000
	4x35	Compacted	0.9	1.8	27.0	0.524	900	144	184	1600	1000
YK FD-0.6/1KV-CV	4x50	Compacted	1.0	1.9	30.0	0.387	850	175	217	2100	1000
	4x70	Compacted	1.1	2.0	35.0	0.268	800	224	266	3000	1000
	4x95	Compacted	1.1	2.0	39.0	0.193	650	272	295	4000	500
	4x120	Compacted	1.2	2.1	44.0	0.153	650	320	335	5000	500
	4x150	Compacted	1.4	2.3	49.0	0.124	700	366	380	6500	500
	4x185	Compacted	1.6	2.4	54.0	0.0991	700	422	425	8000	500
	4x240	Compacted	1.7	2.6	61.0	0.0754	650	498	495	10000	500
	4x300	Compacted	1.8	2.8	68.0	0.0601	600	567	560	12500	500
FD-0.6/1KV-CV	4x400	Compacted	2.0	3.1	76.0	0.0470	600	652	630	16000	500

Remark : Thermal resistivity of soil 1.2 K.m/W or °C.m/W
Deep of laying (For cable laid direct in ground) 0.8 m

FD-0.6/1KV-CV or YK FD-0.6/1KV-CV

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



IEC 60502-1

TIS 2143-2546



CABLE STRUCTURE

- Conductor** : Non-compacted and compacted stranded annealed copper wire
- Insulation** : Cross-Linked polyethylene (XLPE)
- Insulation color** : Blue, Brown, Black, Grey
- Filler** : Non-hygroscopic material
- Binder tape** : Non-hygroscopic tape
- 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** : 600 Volts between Line to Earth
: 1,000 Volts between Line to Line
- AC Testing voltage** : 3,500 Volts
- Reference standard** : IEC 60502-1, IEC 60228, IEC 60332-1, IEC 60332-3-24; Category C, TIS 2143-2546

APPLICATION

For installation exposed, or in raceway, wet or dry location, or direct burial in ground.

Cable name	Number x Size of conductor (No. x mm ²)	Conductor type	A.C. Resistance		Inductance		Reactance		Impedance	
			R (Ω/km)	L (mH/km)	XL (Ω/km)	Z (Ω/km)				
FD-0.6/1KV-CV	4x1.5	Non-compacted	15.4287	0.3427	0.1077	15.4291				
	4x2.5	Non-compacted	9.4485	0.3210	0.1009	9.4490				
	4x4	Non-compacted	5.8782	0.3010	0.0946	5.8790				
	4x6	Non-compacted	3.9274	0.2871	0.0902	3.9284				
	4x10	Non-compacted	2.3335	0.2710	0.0851	2.3351				
YK FD-0.6/1KV-CV	4x16	Compacted	1.4665	0.2624	0.0824	1.4688				
	4x25	Compacted	0.9272	0.2645	0.0831	0.9309				
	4x35	Compacted	0.6685	0.2569	0.0807	0.6733				
	4x50	Compacted	0.4939	0.2536	0.0797	0.5002				
	4x70	Compacted	0.3424	0.2421	0.0761	0.3506				
FD-0.6/1KV-CV	4x95	Compacted	0.2471	0.2331	0.0732	0.2577				
	4x120	Compacted	0.1964	0.2315	0.0727	0.2094				
	4x150	Compacted	0.1597	0.2302	0.0723	0.1753				
	4x185	Compacted	0.1282	0.2338	0.0734	0.1478				
	4x240	Compacted	0.0987	0.2295	0.0721	0.1222				
	4x300	Compacted	0.0798	0.2260	0.0710	0.1068				
	4x400	Compacted	0.0639	0.2259	0.0710	0.0955				

B