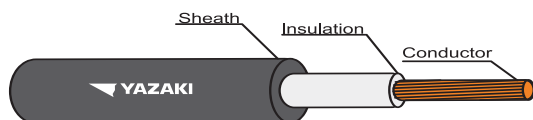


FD-0.6/1KV-CV or YK FD-0.6/1KV-CV



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	51	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	85	1000
	1x6	Non-compacted	0.7	1.4	8.5	3.08	1,450	68	53	52	70	110	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	10.0	1.15	1,000	124	95	93	119	210	1000
	1x25	Compacted	0.9	1.4	11.5	0.727	1,050	166	128	123	152	310	1000
	1x35	Compacted	0.9	1.4	12.5	0.524	900	206	160	154	184	400	1000
	1x50	Compacted	1.0	1.7	14.5	0.387	850	250	197	188	217	550	1000
	1x70	Compacted	1.1	1.4	16.0	0.268	800	321	254	244	266	720	1000
	1x95	Compacted	1.1	1.5	18.0	0.193	650	391	311	298	318	1250	1000
	1x120	Compacted	1.2	1.8	20.5	0.153	650	455	364	349	362	1200	1000
	1x150	Compacted	1.4	1.6	21.5	0.124	700	525	422	404	406	1490	1000
	1x185	Compacted	1.6	1.6	23.5	0.0991	700	602	485	464	459	1850	1000
	1x240	Compacted	1.7	1.7	26.5	0.0754	650	711	577	552	533	2390	1000
FD-0.6/1KV-CV	1x300	Compacted	1.8	2.5	30.5	0.0601	600	821	670	640	601	3149	500
	1x400	Compacted	2.0	2.7	34.0	0.0470	600	987	790	749	684	4026	500
	1x500	Compacted	2.2	3.0	38.5	0.0366	600	1140	908	861	777	5165	500
	1x630	Compacted	2.4	3.3	43.0	0.0283	550	1298	1064	1014	1229	6616	500
	1x800	Compacted	2.6	3.6	48.0	0.0221	550	1494	1220	1156	1380	8290	500
	1x1000	Compacted	2.8	4.0	55.0	0.0176	500	1712	1391	1307	1532	10882	500

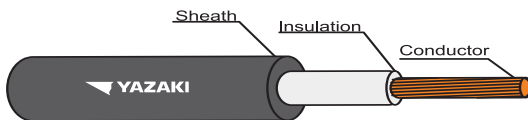
Remark : Thermal resistivity of soil 1.2 K.m/W or °C.m/W
Deep of laying (For cable laid direct in ground) 0.8 m

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

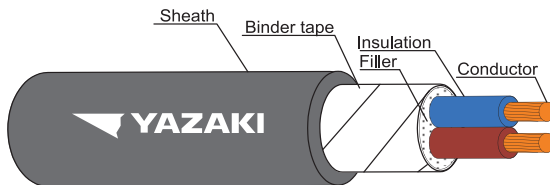
APPLICATION

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
FD-0.6/1KV-CV	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
	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

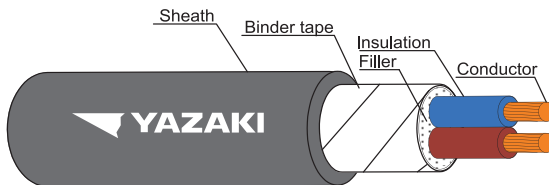
For installation exposed, or in raceway, wet or dry location, or direct burial in ground.

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	11.5	12.1	2,500	27	33	128	500
	2x2.5	Non-compacted	0.7	1.8	13.0	7.41	2,100	36	44	180	1000
	2x4	Non-compacted	0.7	1.8	14.0	4.61	1,700	47	58	220	1000
	2x6	Non-compacted	0.7	1.8	14.5	3.08	1,450	60	73	260	1000
	2x10	Non-compacted	0.7	1.8	16.5	1.83	1,250	81	97	370	1000
YK FD-0.6/1KV-CV	2x16	Compacted	0.7	1.8	18.5	1.15	1,000	107	125	510	1000
	2x25	Compacted	0.9	1.8	22.0	0.727	1,050	143	165	740	1000
	2x35	Compacted	0.9	1.8	24.0	0.524	900	175	195	950	1000
	2x50	Compacted	1.0	2.0	27.0	0.387	850	214	235	1260	1000
	2x70	Compacted	1.1	2.0	31.0	0.268	800	270	290	1730	1000
	2x95	Compacted	1.1	4.0	38.0	0.193	650	329	350	2618	500
	2x120	Compacted	1.2	4.0	41.5	0.153	650	381	400	3226	500
FD-0.6/1KV-CV	2x150	Compacted	1.4	4.0	45.5	0.124	700	436	450	3879	500
	2x185	Compacted	1.6	4.0	49.5	0.0991	700	503	505	4745	500
	2x240	Compacted	1.7	4.0	55.0	0.0754	650	593	585	6055	500
	2x300	Compacted	1.8	4.0	60.0	0.0601	600	676	665	7407	500
	2x400	Compacted	2.0	4.0	66.5	0.0470	600	777	750	9262	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

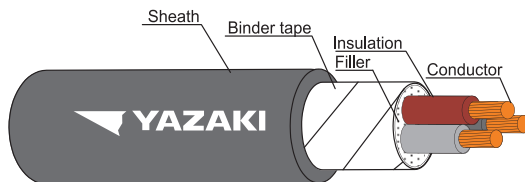
APPLICATION

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 R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
FD-0.6/1KV-CV	2x1.5	Non-compacted	15.4287	0.3427	0.1077	15.4291
YK FD-0.6/1KV-CV	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
	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
FD-0.6/1KV-CV	2x70	Compacted	0.3422	0.2421	0.0761	0.3506
	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

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

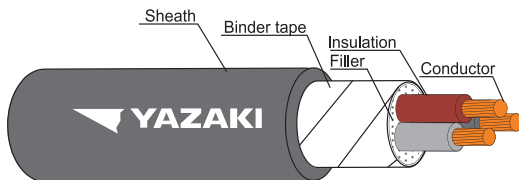
For installation exposed, or in raceway, wet or dry location, or direct burial in ground.

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	12.0	12.1	2,500	22	28	150	500
YK FD-0.6/1KV-CV	3x2.5	Non-compacted	0.7	1.8	13.0	7.41	2,100	29	43	200	1000
	3x4	Non-compacted	0.7	1.8	14.5	4.61	1,700	38	55	270	1000
	3x6	Non-compacted	0.7	1.8	16.0	3.08	1,450	49	70	340	1000
	3x10	Non-compacted	0.7	1.8	17.5	1.83	1,250	68	92	480	1000
	3x16	Compacted	0.7	1.8	19.5	1.15	1,000	91	119	660	1000
	3x25	Compacted	0.9	1.8	23.0	0.727	1,050	116	152	970	1000
	3x35	Compacted	0.9	1.8	25.5	0.524	900	144	184	1270	1000
	3x50	Compacted	1.0	2.0	29.0	0.387	850	175	217	1690	1000
FD-0.6/1KV-CV	3x70	Compacted	1.1	2.0	33.0	0.268	800	224	266	2340	1000
	3x95	Compacted	1.1	4.0	40.5	0.193	650	272	295	3490	500
	3x120	Compacted	1.2	4.0	44.0	0.153	650	320	335	4325	500
	3x150	Compacted	1.4	4.0	48.0	0.124	700	366	380	5247	500
	3x185	Compacted	1.6	4.0	53.0	0.0991	700	422	425	6438	500
	3x240	Compacted	1.7	4.0	59.0	0.0754	650	498	495	8280	500
	3x300	Compacted	1.8	4.0	64.0	0.0601	600	567	560	10183	500
	3x400	Compacted	2.0	4.0	71.0	0.0470	600	652	630	12776	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

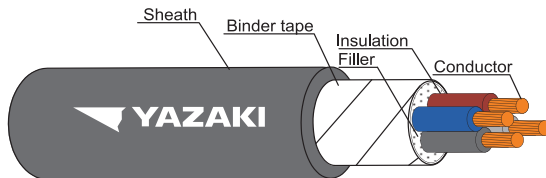
APPLICATION

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 R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance 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
YK FD-0.6/1KV-CV	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
	3x50	Compacted	0.4939	0.2536	0.0797	0.5003
	3x70	Compacted	0.3424	0.2421	0.0761	0.3507
FD-0.6/1KV-CV	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
	3x400	Compacted	0.0639	0.2259	0.0710	0.0955

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

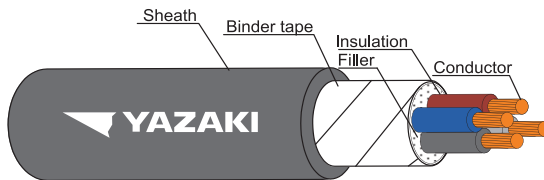
For installation exposed, or in raceway, wet or dry location, or direct burial in ground.

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	12.5	12.1	2,500	22	28	176	500
YK FD-0.6/1KV-CV	4x2.5	Non-compacted	0.7	1.8	14.0	7.41	2,100	29	43	230	1000
	4x4	Non-compacted	0.7	1.8	16.0	4.61	1,700	38	55	330	1000
	4x6	Non-compacted	0.7	1.8	17.5	3.08	1,450	49	70	420	1000
	4x10	Non-compacted	0.7	1.8	19.0	1.83	1,250	68	92	590	1000
	4x16	Compacted	0.7	1.8	21.0	1.15	1,000	91	119	830	1000
	4x25	Compacted	0.9	1.8	25.0	0.727	1,050	116	152	1240	1000
	4x35	Compacted	0.9	1.8	27.5	0.524	900	144	184	1610	1000
	4x50	Compacted	1.0	2.0	31.5	0.387	850	175	217	2170	1000
	4x70	Compacted	1.1	2.0	36.0	0.268	800	224	266	3000	1000
FD-0.6/1KV-CV	4x95	Compacted	1.1	4.0	44.0	0.193	650	272	295	4449	500
	4x120	Compacted	1.2	4.0	48.5	0.153	650	320	335	5550	500
	4x150	Compacted	1.4	4.0	52.5	0.124	700	366	380	6749	500
	4x185	Compacted	1.6	4.0	58.0	0.0991	700	422	425	8305	500
	4x240	Compacted	1.7	4.0	64.5	0.0754	650	498	495	10707	500
	4x300	Compacted	1.8	4.0	70.5	0.0601	600	567	560	13211	500
	4x400	Compacted	2.0	4.0	78.0	0.0470	600	652	630	16623	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.

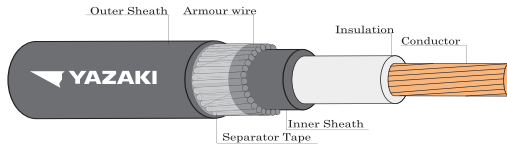
Cable name	Number x Size of conductor (No. x mm ²)	Conductor type	A.C. Resistance	Inductance	Reactance	Impedance
			R (Ω/km)	L (mH/km)	XL (Ω/km)	Z (Ω/km)
FD-0.6/1KV-CV	4x1.5	Non-compacted	15.4287	0.3427	0.1077	15.4291
	4x2.5	Non-compacted	9.4485	0.3210	0.1009	9.4490
YK FD-0.6/1KV-CV	4x4	Non-compacted	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
	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

FD-0.6/1KV-CV-AWA

0.6/1 KV 90°C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED, WITH ALUMINIUM WIRE ARMORED FLAME RETARDANT POWER CABLE

IEC 60502-1

TIS 2143-2546



CABLE STRUCTURE

Conductor	: Non-compacted and compacted stranded annealed copper
Insulation	: Cross-Linked polyethylene (XLPE)
Insulation color	: Natural (Translucent)
Inner sheath	: Black polyvinyl chloride (PVC)
Armor	: Aluminium wires
Outer 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 (Cat. C)

APPLICATION

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

Number of core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Inner Sheath thickness approx. (mm)	Dia. Of inner sheath approx. (mm)	Diameter of steel wire armor nominal (mm)	Outer Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (Ω/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 (m)
											Spaced	Touching	Trefoil			
1	1.5	Non-compacted	0.7	1.2	6.0	1.25	1.4	12.0	12.1	2,500	36	30	29	32	172	500/D
	2.5	Non-compacted	0.7	1.2	6.5	1.25	1.4	12.5	7.41	2,100	48	39	38	41	190	500/D
	4	Non-compacted	0.7	1.2	7.0	1.25	1.4	13.0	4.61	1,700	62	51	50	53	215	500/D
	6	Non-compacted	0.7	1.2	7.5	1.25	1.4	13.5	3.08	1,450	78	64	63	65	246	500/D
	10	Compacted	0.7	1.2	8.0	1.25	1.4	14.0	1.83	1,250	104	85	83	86	295	500/D
	16	Compacted	0.7	1.2	9.0	1.25	1.4	15.0	1.15	1,000	136	112	109	110	369	500/D
	25	Compacted	0.9	1.2	11.0	1.25	1.5	17.0	0.727	1,050	179	147	143	141	503	500/D
	35	Compacted	0.9	1.2	12.0	1.25	1.5	18.0	0.524	900	217	179	174	169	615	500/D
	50	Compacted	1.0	1.2	13.5	1.25	1.5	19.5	0.387	850	261	216	210	199	762	500/D
	70	Compacted	1.1	1.2	15.0	1.25	1.6	21.5	0.268	800	327	270	262	243	1006	500/D
	95	Compacted	1.1	1.2	17.0	1.60	1.7	24.0	0.193	650	404	334	325	292	1345	500/D
	120	Compacted	1.2	1.2	18.5	1.60	1.7	26.0	0.153	650	467	387	376	331	1628	500/D
	150	Compacted	1.4	1.2	20.5	1.60	1.8	28.0	0.124	700	532	422	429	371	1953	500/D
	185	Compacted	1.6	1.2	22.5	1.60	1.9	30.5	0.0991	700	617	515	499	421	2345	500/D
	240	Compacted	1.7	1.2	25.5	1.60	2.0	33.5	0.0754	650	733	613	594	487	2973	500/D
	300	Compacted	1.8	1.2	28.0	2.00	2.1	37.0	0.0601	600	844	707	684	549	3724	500/D
	400	Compacted	2.0	1.2	31.0	2.00	2.2	40.0	0.0470	600	979	822	794	622	4645	500/D
	500	Compacted	2.2	1.2	34.5	2.00	2.3	44.0	0.0366	600	1139	957	921	703	5802	500/D
	630	Compacted	2.4	1.3	38.5	2.50	2.5	49.5	0.0283	550	1333	1120	1075	795	7490	500/D
	800	Compacted	2.6	1.4	43.0	2.50	2.7	54.5	0.0221	550	1527	1280	1222	881	9252	300/D
	1000	Compacted	2.8	1.5	49.5	2.50	2.9	61.0	0.0176	500	1739	1453	1377	965	11952	300/D

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

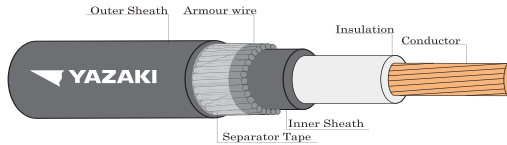
D : Packing in drum

FD-0.6/1KV-CV-AWA

0.6/1 KV 90°C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED, WITH ALUMINIUM WIRE ARMORED FLAME RETARDANT POWER CABLE

IEC 60502-1

TIS 2143-2546



CABLE STRUCTURE

Conductor	: Non-compacted and compacted stranded annealed copper
Insulation	: Cross-Linked polyethylene (XLPE)
Insulation color	: Natural (Translucent)
Inner sheath	: Black polyvinyl chloride (PVC)
Armor	: Aluminium wires
Outer 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 (Cat. C)

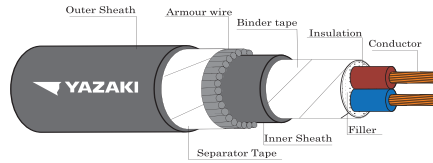
APPLICATION

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

Number of core	Nominal cross sectional area (mm ²)	A.C. Resistance R (Ω/km)			Inductance L (mH/km)			Reactance XL (Ω/km)			Impedance Z (Ω/km)		
		Space	Touching	Trefoil	Space	Touching	Trefoil	Space	Touching	Trefoil	Space	Touching	Trefoil
1	1.5	15.4287	15.4287	15.4287	0.8017	0.6630	0.6168	0.2519	0.2083	0.1938	15.4308	15.4301	15.4299
	2.5	9.4485	9.4485	9.4485	0.7626	0.6239	0.5777	0.2396	0.1960	0.1815	9.4515	9.4505	9.4502
	4	5.8782	5.8782	5.8782	0.7225	0.5838	0.5376	0.2270	0.1834	0.1689	5.8826	5.8811	5.8807
	6	3.9273	3.9273	3.9273	0.6908	0.5521	0.5059	0.2170	0.1735	0.1589	3.9333	3.9312	3.9305
	10	2.3335	2.3335	2.3335	0.6636	0.5250	0.4787	0.2085	0.1649	0.1504	2.3428	2.3393	2.3383
	16	1.4664	1.4664	1.4664	0.6289	0.4903	0.4440	0.1976	0.1540	0.1395	1.4797	1.4745	1.4731
	25	0.9271	0.9271	0.9271	0.6040	0.4654	0.4191	0.1897	0.1462	0.1317	0.9463	0.9386	0.9364
	35	0.6683	0.6683	0.6683	0.5835	0.4449	0.3986	0.1833	0.1398	0.1252	0.6930	0.6828	0.6800
	50	0.4936	0.4937	0.4937	0.5562	0.4176	0.3713	0.1747	0.1312	0.1167	0.5237	0.5108	0.5073
	70	0.3420	0.3421	0.3421	0.5379	0.3992	0.3530	0.1690	0.1254	0.1109	0.3815	0.3643	0.3596
	95	0.2465	0.2466	0.2466	0.5260	0.3873	0.3411	0.1652	0.1217	0.1072	0.2967	0.2750	0.2689
	120	0.1956	0.1957	0.1958	0.5126	0.3740	0.3278	0.1610	0.1175	0.1030	0.2533	0.2283	0.2212
	150	0.1587	0.1589	0.1590	0.5057	0.3671	0.3209	0.1589	0.1153	0.1008	0.2246	0.1963	0.1883
	185	0.1271	0.1273	0.1275	0.5054	0.3668	0.3206	0.1588	0.1152	0.1007	0.2034	0.1717	0.1625
	240	0.0971	0.0974	0.0977	0.4937	0.3551	0.3089	0.1551	0.1116	0.0970	0.1830	0.1481	0.1377
	300	0.0778	0.0783	0.0787	0.3487	0.3487	0.3025	0.1531	0.1096	0.0950	0.1718	0.1347	0.1234
	400	0.0615	0.0621	0.0625	0.4821	0.3435	0.2973	0.1515	0.1079	0.0934	0.1635	0.1245	0.1124
	500	0.0486	0.0494	0.0501	0.4746	0.3360	0.2898	0.1491	0.1056	0.0910	0.1568	0.1166	0.1039
	630	0.0386	0.0396	0.0403	0.4729	0.3343	0.2880	0.1486	0.1050	0.0905	0.1535	0.1122	0.0991
	800	0.0313	0.0325	0.0335	0.4670	0.3284	0.2822	0.1467	0.1032	0.0887	0.1500	0.1082	0.0948
	1000	0.0262	0.0276	0.0288	0.4593	0.3207	0.2745	0.1443	0.1008	0.0862	0.1467	0.1045	0.0909

FD-0.6/1KV-CV-SWA

0.6/1 KV 90°C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED, WITH GALVANIZED STEEL WIRE ARMORED FLAME RETARDANT POWER CABLE



IEC 60502-1

TIS 2143-2546



CABLE STRUCTURE

Conductor	: Non-compacted and compacted stranded annealed copper
Insulation	: Cross-Linked polyethylene (XLPE)
Insulation color	: Blue, Brown
Filler	: Non-hygroscopic material
Binder tape	: Non-hygroscopic tape
Inner sheath	: Black polyvinyl chloride (PVC)
Armor	: Galvanized Steel Wires
Outer 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 (Cat. C)

APPLICATION

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

Number of core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Inner Sheath thickness approx. (mm)	Dia. Of inner sheath approx. (mm)	Diameter of steel wire armor nominal (mm)	Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (Ω/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 (m)
2	1.5	Non-compacted	0.7	1.2	10.0	0.80	1.8	15.5	12.1	2,500	28	33	371	500/D
	2.5	Non-Compacted	0.7	1.2	11.0	1.25	1.8	17.5	7.41	2,100	37	43	536	500/D
	4	Non-Compacted	0.7	1.2	12.0	1.25	1.8	18.5	4.61	1,700	50	57	605	500/D
	6	Non-compacted	0.7	1.2	13.0	1.25	1.8	20.0	3.08	1,450	63	71	697	500/D
	10	Compacted	0.7	1.2	14.0	1.25	1.8	21.0	1.83	1,250	83	93	817	500/D
	16	Compacted	0.7	1.2	16.0	1.60	1.8	23.5	1.150	1,000	111	121	1155	500/D
	25	Compacted	0.9	1.2	19.5	1.60	1.8	27.0	0.727	1,050	147	156	1509	500/D
	35	Compacted	0.9	1.2	21.5	1.60	1.8	29.0	0.524	900	182	188	1797	500/D
	50	Compacted	1.0	1.2	24.5	1.60	2.0	32.5	0.387	850	219	222	2218	500/D
	70	Compacted	1.1	1.2	28.5	2.00	2.1	37.5	0.268	800	275	271	3105	500/D
	95	Compacted	1.1	1.2	32.0	2.00	2.2	41.0	0.193	650	337	325	3844	500/D
	120	Compacted	1.2	1.2	35.5	2.00	2.4	45.0	0.153	650	389	368	4638	500/D
	150	Compacted	1.4	1.3	39.0	2.50	2.5	50.0	0.124	700	444	412	5913	500/D
	185	Compacted	1.6	1.4	44.0	2.50	2.7	55.0	0.0991	700	509	463	7050	500/D
	240	Compacted	1.7	1.5	49.5	2.50	2.9	61.5	0.0754	650	600	534	8739	500/D
	300	Compacted	1.8	1.6	54.5	2.50	3.1	67.0	0.0601	600	684	597	10448	300/D
	400	Compacted	2.0	1.7	61.0	2.50	3.3	74.0	0.0470	600	783	670	12748	300/D

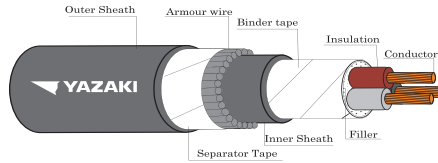
Remark : Thermal resistivity of soil 1.2 K.m/W or °C.m/W
Deep of laying (For cable laid direct in ground) 0.8 m

D : Packing in drum

Number of core	Nominal cross sectional area (mm ²)	A.C. Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
2	1.5	15.4287	0.3427	0.1077	15.4291
	2.5	9.4485	0.3249	0.1021	9.4491
	4	5.8782	0.3026	0.0951	5.8790
	6	3.9273	0.2890	0.0908	3.9284
	10	2.3335	0.2747	0.0863	2.3351
	16	1.4665	0.2614	0.0821	1.4688
	25	0.9272	0.2637	0.0829	0.9309
	35	0.6684	0.2567	0.0807	0.6733
	50	0.4938	0.2435	0.0785	0.4997
	70	0.3423	0.2395	0.0752	0.3504
	95	0.2468	0.2331	0.0732	0.2575
	120	0.1980	0.2289	0.0719	0.2088
	150	0.1593	0.2302	0.0723	0.1749
	185	0.1278	0.2326	0.0731	0.1472
	240	0.0981	0.2281	0.0717	0.1215
	300	0.0791	0.2260	0.0710	0.1063
	400	0.0630	0.2259	0.0710	0.0949

FD-0.6/1KV-CV-SWA

0.6/1 KV 90°C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED, WITH GALVANIZED STEEL WIRE ARMORED FLAME RETARDANT POWER CABLE



IEC 60502-1

TIS 2143-2546



CABLE STRUCTURE

Conductor	: Non-compacted and compacted stranded annealed copper
Insulation	: Cross-Linked polyethylene (XLPE)
Insulation color	: Brown, Black, Grey
Filler	: Non-hygroscopic material
Binder tape	: Non-hygroscopic tape
Inner sheath	: Black polyvinyl chloride (PVC)
Amor	: Galvanized Steel Wires
Outer 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 (Cat. C)

APPLICATION

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

Number of core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Inner Sheath thickness approx. (mm)	Dia. Of inner sheath approx. (mm)	Diameter of steel wire armor nominal (mm)	Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (Ω/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 (m)
3	1.5	Non-Compacted	0.7	1.2	10.5	0.80	1.8	16.0	12.1	2,500	24	26	404	500/D
	2.5	Non-Compacted	0.7	1.2	11.5	1.25	1.8	18.0	7.41	2,100	32	34	580	500/D
	4	Non-Compacted	0.7	1.2	12.5	1.25	1.8	19.5	4.61	1,700	42	44	675	500/D
	6	Non-Compacted	0.7	1.2	14.0	1.25	1.8	20.5	3.08	1,450	53	55	787	500/D
	10	Compacted	0.7	1.2	15.0	1.25	1.8	21.5	1.83	1,250	71	72	943	500/D
	16	Compacted	0.7	1.2	17.0	1.60	1.8	24.5	1.150	1,000	94	93	1349	500/D
	25	Compacted	0.9	1.2	21.0	1.60	1.8	28.5	0.727	1,050	125	120	1772	500/D
	35	Compacted	0.9	1.2	23.0	1.60	1.9	31.0	0.524	900	154	145	2171	500/D
	50	Compacted	1.0	1.2	26.5	2.00	2.0	35.0	0.387	850	186	171	2958	500/D
	70	Compacted	1.1	1.2	30.5	2.00	2.2	39.5	0.268	800	233	208	3824	500/D
	95	Compacted	1.1	1.2	34.0	2.00	2.3	43.5	0.193	650	286	249	4833	500/D
	120	Compacted	1.2	1.3	38.0	2.50	2.5	49.0	0.153	650	332	283	6280	500/D
	150	Compacted	1.4	1.4	42.0	2.50	2.6	53.5	0.124	700	376	315	7446	500/D
	185	Compacted	1.6	1.5	47.5	2.50	2.8	59.0	0.0991	700	430	354	8970	500/D
	240	Compacted	1.7	1.6	53.5	2.50	3.0	65.5	0.0754	650	505	406	11245	300/D
	300	Compacted	1.8	1.7	59.0	2.50	3.2	71.5	0.0601	600	574	453	13504	300/D
	400	Compacted	2.0	1.8	66.0	3.15	3.5	80.5	0.0470	600	652	501	17500	300/D

Remark : Thermal resistivity of soil 1.2 K.m./W or °C.m/W

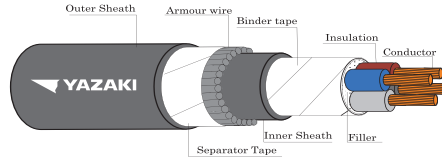
D : Packing in drum

Deep of laying (For cable laid direct in ground) 0.8 m

Number of core	Nominal cross sectional area (mm ²)	A.C. Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
3	1.5	15.4287	0.3427	0.1077	15.4291
	2.5	9.4485	0.3249	0.1021	9.4491
	4	5.8782	0.3026	0.0951	5.8790
	6	3.9274	0.2890	0.0908	3.9284
	10	2.3335	0.2747	0.0863	2.3351
	16	1.4665	0.2614	0.0821	1.4688
	25	0.9272	0.2637	0.0829	0.9309
	35	0.6685	0.2567	0.0807	0.6733
	50	0.4939	0.2435	0.0765	0.4998
	70	0.3424	0.2395	0.0752	0.3506
	95	0.2471	0.2331	0.0732	0.2577
	120	0.1964	0.2289	0.0719	0.2091
	150	0.1597	0.2302	0.0723	0.1753
	185	0.1283	0.2326	0.0731	0.1476
	240	0.0987	0.2281	0.0717	0.1219
	300	0.0798	0.2260	0.0710	0.1068
	400	0.0639	0.2259	0.0710	0.0955

FD-0.6/1KV-CV-SWA

0.6/1 KV 90°C CROSS-LINKED POLYETHYLENE INSULATED PVC SHEATHED, WITH GALVANIZED STEEL WIRE ARMORED FLAME RETARDANT POWER CABLE



IEC 60502-1

TIS 2143-2546



CABLE STRUCTURE

Conductor	: Non-compacted and compacted stranded annealed copper
Insulation	: Cross-Linked polyethylene (XLPE)
Insulation color	: Blue, Brown, Black, Grey
Filler	: Non-hygroscopic material
Binder tape	: Non-hygroscopic tape
Inner sheath	: Black polyvinyl chloride (PVC)
Armor	: Galvanized Steel Wires
Outer 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 (Cat. C)

APPLICATION

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

Number of core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Inner Sheath thickness approx. (mm)	Dia. Of inner sheath approx. (mm)	Diameter of steel wire armor nominal (mm)	Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (Ω/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 (m)
4	1.5	Non-Compacted	0.7	1.2	11.0	1.25	1.8	18.0	12.1	2,500	24	26	569	500/D
	2.5	Non-Compacted	0.7	1.2	12.5	1.25	1.8	19.0	7.41	2,100	32	34	642	500/D
	4	Non-Compacted	0.7	1.2	13.5	1.25	1.8	20.5	4.61	1,700	42	44	754	500/D
	6	Non-Compacted	0.7	1.2	15.0	1.25	1.8	22.0	3.08	1,450	53	55	901	500/D
	10	Compacted	0.7	1.2	16.5	1.60	1.8	24.0	1.83	1,250	71	72	1232	500/D
	16	Compacted	0.7	1.2	19.0	1.60	1.8	26.0	1.150	1,000	94	93	1579	500/D
	25	Compacted	0.9	1.2	23.0	1.60	1.9	30.5	0.727	1,050	125	120	2143	500/D
	35	Compacted	0.9	1.2	25.5	1.60	2.0	33.5	0.524	900	154	145	2638	500/D
	50	Compacted	1.0	1.2	29.0	2.00	2.1	38.0	0.387	850	186	171	3578	500/D
	70	Compacted	1.1	1.2	33.5	2.00	2.3	43.0	0.268	800	233	208	4672	500/D
	95	Compacted	1.1	1.3	38.0	2.50	2.5	49.0	0.193	650	286	249	6404	500/D
	120	Compacted	1.2	1.4	42.5	2.50	2.6	53.5	0.153	650	332	283	7789	500/D
	150	Compacted	1.4	1.5	47.0	2.50	2.8	59.0	0.124	700	376	315	9280	500/D
	185	Compacted	1.6	1.6	53.0	2.50	3.0	65.0	0.0991	700	430	354	11228	500/D
	240	Compacted	1.7	1.7	59.5	2.50	3.2	72.0	0.0754	650	505	406	14070	300/D
	300	Compacted	1.8	1.8	65.5	3.15	3.5	80.0	0.0601	600	574	453	17934	300/D
	400	Compacted	2.0	2.0	73.5	3.15	3.8	89.0	0.0470	600	652	501	22103	300/D

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

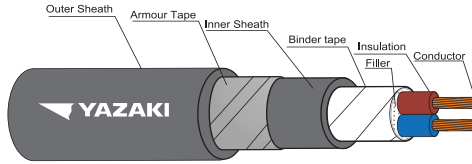
D : Packing in drum

Number of core	Nominal cross sectional area (mm ²)	A.C. Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
4	1.5	15.4287	0.3427	0.1077	15.4291
	2.5	9.4485	0.3249	0.1021	9.4491
	4	5.8782	0.3026	0.0951	5.8790
	6	3.9274	0.2890	0.0908	3.9284
	10	2.3335	0.2747	0.0863	2.3351
	16	1.4665	0.2614	0.0821	1.4688
	25	0.9272	0.2637	0.0829	0.9309
	35	0.6685	0.2567	0.0807	0.6733
	50	0.4939	0.2435	0.0765	0.4998
	70	0.3424	0.2395	0.0752	0.3506
	95	0.2471	0.2331	0.0732	0.2577
	120	0.1964	0.2289	0.0719	0.2091
	150	0.1597	0.2302	0.0723	0.1753
	185	0.1283	0.2326	0.0731	0.1476
3	240	0.0987	0.2281	0.0717	0.1219
	300	0.0798	0.2260	0.0710	0.1068
	400	0.0639	0.2259	0.0710	0.0955

FD-0.6/1KV-CV-STA

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

IEC 60502-1



CABLE STRUCTURE

Conductor	: Non-compacted and compacted stranded annealed copper
Insulation	: Cross-Linked polyethylene (XLPE)
Insulation color	: Blue, Brown
Filler	: Non-hygroscopic material
Binder tape	: Non-hygroscopic tape
Inner sheath	: Black polyvinyl chloride (PVC)
Armor	: Two galvanized flat steel tape
Outer 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 (Cat. C)

APPLICATION

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

Number of core	Nominal cross sectional area (mm²)	Conductor type	Insulation thickness nominal (mm)	Inner Sheath thickness approx. (mm)	Dia. Of inner sheath approx. (mm)	Armor 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 (Ω/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 (m)
2	1.5	Non-Compacted	0.7	1.2	10.0	0.2	1.8	15.0	12.1	2,500	28	33	330	500/D
	2.5	Non-Compacted	0.7	1.2	11.0	0.2	1.8	16.0	7.41	2,100	37	43	373	500/D
	4	Non-Compacted	0.7	1.2	12.0	0.2	1.8	17.0	4.61	1,700	48	56	434	500/D
	6	Non-Compacted	0.7	1.2	13.0	0.2	1.8	18.5	3.08	1,450	61	70	510	500/D
	10	Compacted	0.7	1.2	14.0	0.2	1.8	19.5	1.83	1,250	82	92	613	500/D
	16	Compacted	0.7	1.2	16.0	0.2	1.8	21.5	1.150	1,000	108	120	789	500/D
	25	Compacted	0.9	1.2	19.5	0.2	1.8	25.0	0.727	1,050	144	154	1084	500/D
	35	Compacted	0.9	1.2	21.5	0.2	1.8	27.0	0.524	900	176	185	1325	500/D
	50	Compacted	1.0	1.2	24.5	0.2	1.9	30.0	0.387	850	213	219	1682	500/D
	70	Compacted	1.1	1.2	28.5	0.2	2.0	34.0	0.268	800	267	268	2227	500/D
	95	Compacted	1.1	1.2	32.0	0.5	2.2	39.0	0.193	650	331	322	3132	500/D
	120	Compacted	1.2	1.2	35.5	0.5	2.3	42.5	0.153	650	383	366	3813	500/D
	150	Compacted	1.4	1.3	39.0	0.5	2.4	46.5	0.124	700	435	409	4569	500/D
	185	Compacted	1.6	1.4	44.0	0.5	2.6	51.5	0.0991	700	500	461	5580	500/D
	240	Compacted	1.7	1.5	49.5	0.5	2.8	58.0	0.0754	650	590	531	7088	500/D
	300	Compacted	1.8	1.6	54.5	0.5	2.9	63.0	0.0601	600	676	596	8597	500/D
	400	Compacted	2.0	1.7	61.0	0.5	3.2	70.5	0.0470	600	765	664	10729	500/D

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

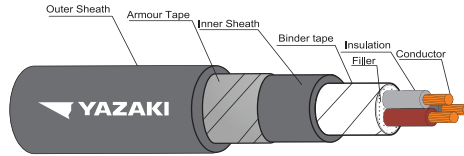
D : Packing in drum

Number of core	Nominal cross sectional area (mm²)	A.C. Resistance R (Ω/km)	Inductance (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
2	1.5	15.4287	0.3427	0.1077	15.4291
	2.5	9.4485	0.3249	0.1021	9.4491
	4	5.8782	0.3026	0.0951	5.8790
	6	3.9273	0.2890	0.0908	3.9284
	10	2.3335	0.2747	0.0863	2.3351
	16	1.4664	0.2614	0.0821	1.4688
	25	0.9271	0.2637	0.0829	0.9309
	35	0.6683	0.2567	0.0807	0.6733
	50	0.4936	0.2435	0.0765	0.4998
	70	0.3420	0.2395	0.0752	0.3506
	95	0.2465	0.2331	0.0732	0.2577
	120	0.1956	0.2289	0.0719	0.2091
	150	0.1587	0.2302	0.0723	0.1753
	185	0.1271	0.2326	0.0731	0.1476
	240	0.0971	0.2281	0.0717	0.1219
	300	0.0778	0.2260	0.0710	0.1068
	400	0.0615	0.2259	0.0710	0.0955

FD-0.6/1KV-CV-STA

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

IEC 60502-1



CABLE STRUCTURE

Conductor	: Non-compacted and compacted stranded annealed copper
Insulation	: Cross-Linked polyethylene (XLPE)
Insulation color	: Brown, Black, Grey
Filler	: Non-hygroscopic material
Binder tape	: Non-hygroscopic tape
Inner sheath	: Black polyvinyl chloride (PVC)
Amor	: Two galvanized flat steel tape
Outer 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 (Cat. C)

APPLICATION

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

Number of core	Nominal cross sectional area (mm²)	Conductor type	Insulation thickness nominal (mm)	Inner Sheath thickness approx. (mm)	Dia. Of inner sheath approx. (mm)	Armor 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 (Ω/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 (m)
3	1.5	Non-Compacted	0.7	1.2	10.5	0.2	1.8	15.5	12.1	2,500	24	26	361	500/D
	2.5	Non-Compacted	0.7	1.2	11.5	0.2	1.8	17.0	7.41	2,100	32	34	414	500/D
	4	Non-Compacted	0.7	1.2	12.5	0.2	1.8	18.0	4.61	1,700	42	44	491	500/D
	6	Non-Compacted	0.7	1.2	14.0	0.2	1.8	19.0	3.08	1,450	53	55	589	500/D
	10	Compacted	0.7	1.2	15.0	0.2	1.8	20.5	1.83	1,250	71	72	731	500/D
	16	Compacted	0.7	1.2	17.0	0.2	1.8	22.5	1.150	1,000	94	93	963	500/D
	25	Compacted	0.9	1.2	21.0	0.2	1.8	26.0	0.727	1,050	125	120	1328	500/D
	35	Compacted	0.9	1.2	23.0	0.2	1.8	28.5	0.524	900	154	145	1667	500/D
	50	Compacted	1.0	1.2	26.5	0.2	1.9	32.0	0.387	850	186	171	2136	500/D
	70	Compacted	1.1	1.2	30.5	0.2	2.1	36.5	0.268	800	233	208	2889	500/D
	95	Compacted	1.1	1.2	34.0	0.5	2.2	41.0	0.193	650	286	249	4038	500/D
	120	Compacted	1.2	1.3	38.0	0.5	2.4	45.5	0.153	650	332	283	4995	500/D
	150	Compacted	1.4	1.4	42.0	0.5	2.5	50.0	0.124	700	376	315	6033	500/D
	185	Compacted	1.6	1.5	47.5	0.5	2.7	55.5	0.0991	700	430	354	7400	500/D
	240	Compacted	1.7	1.6	53.5	0.5	2.9	62.0	0.0754	650	505	406	9443	300/D
	300	Compacted	1.8	1.7	59.0	0.5	3.1	68.0	0.0601	600	574	453	11570	300/D
	400	Compacted	2.0	1.8	66.0	0.5	3.3	75.5	0.0470	600	652	501	14417	300/D

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

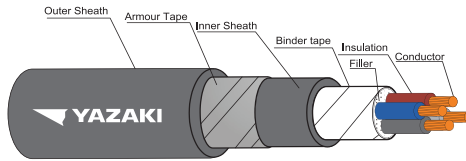
D : Packing in drum

Number of core	Nominal cross sectional area (mm²)	A.C. Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
3	1.5	15.4287	0.3427	0.1077	15.4291
	2.5	9.4485	0.3249	0.1021	9.4491
	4	5.8782	0.3026	0.0951	5.8790
	6	3.9273	0.2890	0.0908	3.9284
	10	2.3335	0.2747	0.0863	2.3351
	16	1.4664	0.2614	0.0821	1.4688
	25	0.9271	0.2637	0.0829	0.9309
	35	0.6683	0.2567	0.0807	0.6733
	50	0.4936	0.2435	0.0765	0.4998
	70	0.3420	0.2395	0.0752	0.3506
	95	0.2465	0.2331	0.0732	0.2577
	120	0.1956	0.2289	0.0719	0.2091
	150	0.1587	0.2302	0.0723	0.1753
	185	0.1271	0.2326	0.0731	0.1476
	240	0.0971	0.2281	0.0717	0.1219
	300	0.0778	0.2280	0.0710	0.1068
	400	0.0615	0.2259	0.0710	0.0955

FD-0.6/1KV-CV-STA

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

IEC 60502-1



CABLE STRUCTURE

Conductor	: Non-compacted and compacted stranded annealed copper
Insulation	: Cross-Linked polyethylene (XLPE)
Insulation color	: Blue, Brown, Black, Grey
Filler	: Non-hygroscopic material
Binder tape	: Non-hygroscopic tape
Inner sheath	: Black polyvinyl chloride (PVC)
Armor	: Two galvanized flat steel tape
Outer 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 (Cat. C)

APPLICATION

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

Number of core	Nominal cross sectional area (mm²)	Conductor type	Insulation thickness nominal (mm)	Inner Sheath thickness approx. (mm)	Dia. Of inner sheath approx. (mm)	Armor 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 (Ω/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 (m)
4	1.5	Non-Compacted	0.7	1.2	11.0	0.2	1.8	16.5	12.1	2,500	24	28	402	500/D
	2.5	Non-Compacted	0.7	1.2	12.5	0.2	1.8	18.0	7.41	2,100	31	37	466	500/D
	4	Non-Compacted	0.7	1.2	13.5	0.2	1.8	19.0	4.61	1,700	41	48	562	500/D
	6	Non-Compacted	0.7	1.2	15.0	0.2	1.8	20.5	3.08	1,450	52	59	687	500/D
	10	Compacted	0.7	1.2	16.5	0.2	1.8	21.5	1.83	1,250	69	78	868	500/D
	16	Compacted	0.7	1.2	19.0	0.2	1.8	24.0	1,150	1,000	91	101	1163	500/D
	25	Compacted	0.9	1.2	23.0	0.2	1.8	28.5	0.727	1,050	122	130	1639	500/D
	35	Compacted	0.9	1.2	25.5	0.2	1.9	31.0	0.524	900	149	156	2078	500/D
	50	Compacted	1.0	1.2	29.0	0.2	2.0	35.0	0.387	850	181	185	2682	500/D
	70	Compacted	1.1	1.2	33.5	0.5	2.2	40.5	0.268	800	227	226	3890	500/D
	95	Compacted	1.1	1.3	38.0	0.5	2.4	45.5	0.193	650	281	272	5119	500/D
	120	Compacted	1.2	1.4	42.5	0.5	2.5	50.0	0.153	650	325	309	6338	500/D
	150	Compacted	1.4	1.5	47.0	0.5	2.7	55.0	0.124	700	370	345	7709	500/D
	185	Compacted	1.6	1.6	53.0	0.5	2.9	61.0	0.0991	700	426	389	9451	500/D
	240	Compacted	1.7	1.7	59.5	0.5	3.1	68.5	0.0754	650	504	449	12105	500/D
	300	Compacted	1.8	1.8	65.5	0.5	3.3	75.0	0.0601	600	600	576	14849	500/D
	400	Compacted	2.0	2.0	73.5	0.5	3.6	83.5	0.0470	600	662	567	18636	500/D

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

D : Packing in drum

Number of core	Nominal cross sectional area (mm²)	A.C. Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
4	1.5	15.4287	0.3427	0.1077	15.4291
	2.5	9.4485	0.3249	0.1021	9.4491
	4	5.8782	0.3026	0.0951	5.8790
	6	3.9274	0.2890	0.0908	3.9284
	10	2.3335	0.2747	0.0863	2.3351
	16	1.4665	0.2614	0.0821	1.4688
	25	0.9272	0.2637	0.0829	0.9309
	35	0.6685	0.2567	0.0807	0.6733
	50	0.4939	0.2435	0.0765	0.4998
	70	0.3424	0.2395	0.0752	0.3506
	95	0.2471	0.2331	0.0732	0.2577
	120	0.1964	0.2289	0.0719	0.2091
	150	0.1597	0.2302	0.0723	0.1753
	185	0.1283	0.2326	0.0731	0.1476
	240	0.0987	0.2281	0.0717	0.1219
	300	0.0798	0.2260	0.0710	0.1068
	400	0.0639	0.2259	0.0710	0.0955