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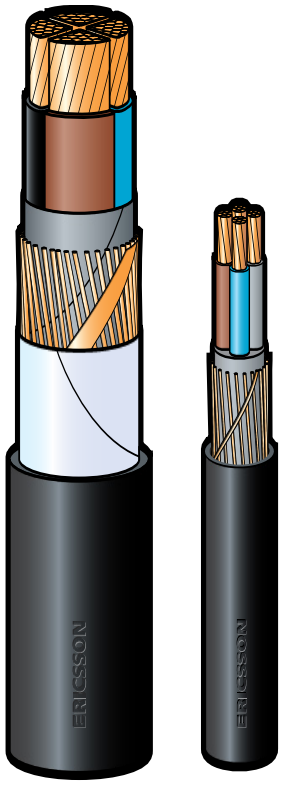
FKKJ 1 kV

Product Information



Design SS 424 14 18, HD603

Conductor
≤ 50 mm², copper, stranded, circular
≥ 70 mm², copper, stranded, sector shaped

Insulation
PVC

Inner covering
2,5-16 mm² extruded pvc
≥25 mm² pvc tape

Screen
Annealed copper wires with counter helix

Sheath
PVC, black.
Meter marked

Core identification
Cores are identified by the insulation color:
3 cores: brown, black and grey.
4 cores: blue, brown, black and grey.

Operating temperature
Max 70ºC

Fire resistance
IEC60332-3-24 (cat C) ≤16 mm²)
IEC60332-3-23 (cat B) ≥25 mm²

Application
Cable designed for permanent installation above and below ground, in pipes or under water. The concentric conductor (shield) can, when grouped, be used as a protective or earth conductor. Maximum continuous operating temperature 70° C.
Capable of being ploughed through the ground.

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Technical data

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Conductors x size (mm²)	Diameter, nominal (mm) Conductor	Insulation	Sheath	Weight/100 m (kg)	Minimum bending radius (mm)	Maximum pulling force (kN)	Resistance (Ω/km) Conductor	Screen
3 x 2,5/2,5	2,0	3,6	13,7	26	109	0,94	7,41	7,41
3 x 6/6	3,0	5,0	16,8	50	134	1,41	3,08	3,08
3 x 10/10	4,1	6,1	19,5	73	156	1,90	1,83	1,83
3 x 16/16	4,7	6,7	22,4	97	179	2,51	1,15	1,15
3 x 25/16	6,0	8,4	23,9	120	191	2,85	0,727	1,15
3 x 35/16	7,0	9,4	29,5	156	236	4,35	0,524	1,15
3 x 50/25	8,1	10,9	28,3	213	243	4,62	0,387	0,727
3 x 70/35			31,3	284	244	4,65	0,268	0,524
3 x 95/50			35,7	375	285	6,37	0,193	0,387
3 x 120/70			37,9	474	303	7,18	0,153	0,268
3 x 150/70			41,6	568	332	8,65	0,124	0,268
3 x 185/95			46,4	705	371	10,7	0,0991	0,193
3 x 240/120			51,6	907	412	13,3	0,0754	0,153
4 x 2,5/2,5	2,0	3,6	14,6	30	116	1,06	7,41	7,41
4 x 6/6	3,0	5,0	18,0	59	144	1,62	3,08	3,08
4 x 10/10	4,1	6,1	21,0	86	168	2,20	1,83	1,83
4 x 16/16	4,7	6,7	22,9	118	183	2,62	1,15	1,15
4 x 25/16	6,0	8,4	25,8	154	206	3,32	0,727	1,15
4 x 35/16	7,0	9,4	29,5	196	236	4,35	0,524	1,15
4 x 50/25	8,1	10,9	32,1	267	271	5,74	0,387	0,727
4 x 70/35			35,9	361	272	5,78	0,268	0,524
4 x 95/50			39,6	493	316	7,84	0,193	0,387
4 x 120/70			42,8	605	342	9,16	0,153	0,268
4 x 150/70			47,2	744	377	11,1	0,124	0,268
4 x 185/95			52,4	895	419	13,7	0,0991	0,193
4 x 240/120			58,3	1174	466	17,0	0,0754	0,153

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Ordering Information

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Conductors x size (mm²)	Length (m)	Product no	Drum	Weight (kg)
3 x 2,5/2,5	0-450	E 00 053 00	-	-
	500	E 00 053 05	K7	150
	1000	E 00 053 06	K9	294
3 x 6/6	0-450	E 00 053 20	-	-
	500	E 00 053 25	K8	275
	1000	E 00 053 26	K10	546
3 x 10/10	0-450	E 00 053 30	-	-
	500	E 00 053 35	K9	399
	1000	E 00 053 36	K12	820
3 x 16/16	0-450	E 00 053 40	-	-
	500	E 00 053 45	K10	531
	1000	E 00 053 46	K14	1090
3 x 25/16	0-450	E 00 053 50	-	-
	500	E 00 053 55	K11	655
3 x 35/16	0-450	E 00 053 60	-	-
	500	E 00 053 65	K12	870
3 x 50/25	0-450	E 00 053 70	-	-
	500	E 00 053 75	K12	1155
3 x 70/35	0-450	E 00 053 80	-	-
	500	E 00 053 85	K14	1540
3 x 95/50	0-450	E 00 053 90	-	-
	500	E 00 053 95	K16	2070
3 x 120/70	0-450	E 00 054 00	-	-
	500	E 00 054 05	K18	2600
3 x 150/70	0-225	E 00 054 10	-	-
	250	E 00 054 14	K16	1615
	500	E 00 054 15	K20	3180
3 x 185/95	0-225	E 00 054 20	-	-
	250	E 00 054 24	K16	1958
	500	E 00 054 25	K22	3935
3 x 240/120	0-225	E 00 054 30	-	-
	250	E 00 054 34	K18	2498
	500	E 00 054 35	K24	4985

Conductors x size (mm²)	Length (m)	Product no.	Drum	Weight (kg)
4 x 2,5/2,5	0-450	E 00 055 00	-	-
	500	E 00 055 05	K7	170
4 x 6/6	0-450	E 00 055 20	-	-
	500	E 00 055 25	K9	329
4 x 10/10	0-450	E 00 055 30	-	-
	500	E 00 055 35	K10	476
4 x 16/16	0-450	E 00 055 40	-	-
	500	E 00 055 45	K11	645
4 x 25/16	0-450	E 00 055 50	-	-
	500	E 00 055 55	K12	860
4 x 35/16	0-450	E 00 055 60	-	-
	500	E 00 055 65	K12	1070
4 x 50/25	0-450	E 00 055 70	-	-
	500	E 00 055 75	K14	1455
4 x 70/35	0-450	E 00 055 80	-	-
	500	E 00 055 85	K16	2000
4 x 95/50	0-450	E 00 055 90	-	-
	500	E 00 055 95	K20	2805
4 x 120/70	0-225	E 00 056 00	-	-
	250	E 00 056 04	K16	1708
	500	E 00 056 05	K20	3365
4 x 150/70	0-225	E 00 056 10	-	-
	250	E 00 056 14	K18	2090
	500	E 00 056 15	K22	4130
4 x 185/95	0-225	E 00 056 20	-	-
	250	E 00 056 24	K18	2468
	500	E 00 056 25	K24	4925
4 x 240/120	0-225	E 00 056 30	-	-
	250	E 00 056 34	K20	3275
	500	E 00 056 35	K26	6770

We reserve the right for alterations due to continual product development and/or changes in standards.

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