

MCMK

Copper power cable

0,6/1 (1,2) kV



Application

Copper power cable for fixed installations indoors and outdoors. May be buried directly in soil or cast concrete. Installations must be in accordance with national regulations and rules of installations. The cable is flame-retardant according to CPR-class Eca.

Design

Standards	SFS 4880, SEK TS 424 14 18-1, HD 603 3 F & L
Reaction to fire	Eca; EN 13501-6, EN 50575:2014+A1:2016
Conductor	1,5-6 mm ² circular solid copper, EN/IEC 60228 class 1 10-25 mm ² circular stranded copper, EN/IEC 60228 class 2 35-300 mm ² sector shaped stranded copper, EN/IEC 60228 class 2
Insulation	PVC-compound
Core	Blue, brown
Identification	Brown, black, grey Blue, brown, black, grey
Inner covering	Plastic tape
Metal screen	Copper wires and copper tape
Oversheath	UV-protected PVC-compound , Black

Temperature limits

Max. conductor temperature °C	70
Max. cond. temp. short circuit max. 5 s °C	160
Min. cable temperature during operation °C	-40
Min. cable temperature during handling °C	-15
Min. cable temperature during transport °C	-25

2026-04-15 03:42:32

Technical information	2x1,5/1,5	2x2,5/2,5	2x6/6	2x10/10	3x6/6	3x10/10	3x16/16	3x25/16	3x35/16	3x50/25
Product code	1106105	1106106	1106108	1106149	1106308	1106302	1106310	1106304	1106312	1106313
Nominal cable diameter mm	11	12	16	18	15	18	21	25	24	28
Nominal cable weight kg/km	178	219	384	564	384	575	832	1158	1407	1937
Nominal weight of copper kg/km	41	66	164	266	218	352	562	817	1057	1494
Nominal Insulation thickness mm	0,8	0,8	1,0	1,0	1,0	1,0	1,0	1,2	1,2	1,4
Nominal size of metal screen mm ²	1,5	2,5	6	10	6	10	16	16	16	25
Nominal thickness of oversheath mm	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,9
Fire load										
Fire load MJ/m	2,759	3,101	4,649	6,314	3,418	4,588	5,532	7,064	7,359	9,130
Fire load kWh/m	0,766	0,861	1,291	1,754	0,950	1,274	1,536	1,962	2,044	2,536
Maximum forces during installation when pulling by										
Max. pulling force by pulling-eye kN	0,2	0,3	0,6	1,0	0,9	1,5	2,4	3,8	5,3	7,5
Max. pulling force by pulling-stocking kN	0,1	0,1	0,2	0,3	0,3	0,5	0,7	1,1	1,6	2,3
Minimum bending radii										
Minimum bending radius, handling mm	137	146	187	221	183	219	250	302	289	331
Minimum bending radius, final bending mm	96	102	131	154	128	153	175	212	202	231
Minimum bending radii										
During handling and installation, cable cm	14	15	19	22	18	22	25	30	29	33
In final installation, cable cm	10	10	13	15	13	15	18	21	20	23
Minimum bending radii										
During handling and installation, cable m	0,14	0,15	0,19	0,22	0,18	0,22	0,25	0,30	0,29	0,33
In final installation, cable m	0,10	0,10	0,13	0,15	0,13	0,15	0,17	0,21	0,20	0,23
DC resistance										
Max. DC resistance of conductor at 20 °C Ω/km	12,1	7,41	3,08	1,83	3,08	1,83	1,15	0,727	0,524	0,387
Maximum DC resistance at 20 °C, metal screen Ω/km	12,1	7,41	3,08	1,83	3,08	1,83	1,15	1,15	1,15	0,727

2026-04-15 03:42:32

Technical information	2x1,5/1,5	2x2,5/2,5	2x6/6	2x10/10	3x6/6	3x10/10	3x16/16	3x25/16	3x35/16	3x50/25
Current ratings										
Cables in air (25 °C)										
two loaded conductor, conductor 70 °C A	23	31	53	73	53	73	98	124	154	187
three loaded conductor, conductor 70 °C A					45	62	83	105	131	159
Cables in air (30 °C)										
two loaded conductor, conductor 70 °C A	22	30	51	70	51	70	94	119	148	180
three loaded conductor, conductor 70 °C A					43	60	80	101	126	153
Cables in the ground (15 °C and 1,0 K.m/W), Installation depth 0,7 m										
Cables in the ground, conductor 65 °C A	26	35	57	77	57	77	100	130	160	190
Cables in the ground (20 °C and 2,5 K.m/W), Installation depth 0,7 m										
Cables in the ground, conductor 70 °C A	22	28	48	64	41	54	70	92	110	130
Cables in the ground in a tube, conductor 70 °C A	22	29	46	60	38	50	64	82	98	116
Maximum thermal short circuit current during 1 s										
Phase (initial 70 °C, final 160 °C) kA	0,1	0,3	0,7	1,1	0,7	1,1	1,8	2,8	3,9	5,5
Metal screen (initial 60 °C, final 250 °C) kA	0,2	0,4	1,0	1,6	1,0	1,6	2,5	2,5	2,5	4,0

2026-04-15 03:42:32

STANDARD PACKAGES	2x1,5/1,5	2x2,5/2,5	2x6/6	2x10/10	3x6/6	3x10/10	3x16/16	3x25/16	3x35/16	3x50/25
Product code	1106105	1106106	1106108	1106149	1106308	1106302	1106310	1106304	1106312	1106313
GTIN code	6410006031221	6410006031030	6410006031061	6410006031184	6410006031559	6410006031566	6410006031290	6410006031580	6410006031597	6410006031603
Package	1000 K9	50 bundle	500 K10	2000 K18	1000 K11	1000 K12	500 K11	1000 K16	1000 K16	1000 K18
Product code	1106105	1106106	1106108	1106149	1106308	1106302	1106310	1106304	1106312	1106313
GTIN code	6410006031146	6410006031238	6410006031245	6410006031108	6410006031894	6410006031283	6410006031573	6410006031672	6410006031689	6410006031696
Package	500 K7	1000 K9	2000 K16	500 K11	2000 K16	500 K11	1000 K14	500 K12	500 K12	500 K14
Product code	1106105	1106106	1106108	1106149	1106308					
GTIN code	6410006031023	6410006031139	6410006031252	6410006031269	6410006031276					
Package	50 bundle	100 bundle	1000 K11	1000 K12	500 K10					
Product code	1106105	1106106								
GTIN code	6410006031122	6410006031153								
Package	100 bundle	500 K8								
Product code	1106105	1106106								
GTIN code	6410006031160	6410006031177								
Package	200 spool	150 spool								

2026-04-15 03:42:32

Technical information	3x70/35	3x95/50	3x120/70	3x150/70	3x185/95	3x240/120	3x300/150	4x1,5/1,5	4x2,5/2,5	4x6/6
Product code	1106314	1106315	1106316	1106317	1106318	1106319	1106320	1106435	1106436	1106438
Nominal cable diameter mm	31	35	38	42	48	53	58	12	13	17
Nominal cable weight kg/km	2625	3602	4512	5414	6862	8920	11091	184	239	465
Nominal weight of copper kg/km	2093	2907	3730	4479	5700	7492	9397	66	109	272
Nominal Insulation thickness mm	1,4	1,6	1,6	1,8	2,0	2,2	2,4	0,8	0,8	1,0
Nominal size of metal screen mm ²	35	50	70	70	95	120	150	1,5	2,5	6
Nominal thickness of oversheath mm	2,0	2,2	2,3	2,4	2,6	2,8	3,0	1,8	1,8	1,8
Fire load										
Fire load MJ/m	11,098	14,597	16,420	19,568	24,224	29,682	35,099	2,422	2,667	3,934
Fire load kWh/m	3,083	4,055	4,561	5,436	6,729	8,245	9,750	0,673	0,741	1,093
Maximum forces during installation when pulling by										
Max. pulling force by pulling-eye kN	10,5	14,3	18,0	20,0	20,0	20,0	20,0	0,3	0,5	1,2
Max. pulling force by pulling-stocking kN	3,2	4,3	5,4	6,8	8,3	8,5	8,5	0,1	0,2	0,4
Minimum bending radii										
Minimum bending radius, handling mm	369	419	460	503	571	638	691	144	154	198
Minimum bending radius, final bending mm	258	293	322	352	400	447	484	100	108	139
Minimum bending radii										
During handling and installation, cable cm	37	42	46	50	57	64	69	14	15	20
In final installation, cable cm	26	29	32	35	40	45	48	10	11	14
Minimum bending radii										
During handling and installation, cable m	0,37	0,42	0,46	0,50	0,57	0,64	0,69	0,14	0,15	0,20
In final installation, cable m	0,26	0,29	0,32	0,35	0,40	0,45	0,48	0,10	0,11	0,14
DC resistance										
Max. DC resistance of conductor at 20 °C Ω/km	0,268	0,193	0,153	0,124	0,0991	0,0754	0,0601	12,1	7,41	3,08
Maximum DC resistance at 20 °C, metal screen Ω/km	0,524	0,387	0,268	0,268	0,193	0,153	0,124	12,1	7,41	3,08

2026-04-15 03:42:32

Technical information	3x70/35	3x95/50	3x120/70	3x150/70	3x185/95	3x240/120	3x300/150	4x1,5/1,5	4x2,5/2,5	4x6/6
Current ratings										
Cables in air (25 °C)										
two loaded conductor, conductor 70 °C A	241	293	341	394	451	535	617	23	31	53
three loaded conductor, conductor 70 °C A	204	248	287	332	379	447	517	19	26	45
Cables in air (30 °C)										
two loaded conductor, conductor 70 °C A	232	282	328	379	434	514	593	22	30	51
three loaded conductor, conductor 70 °C A	196	238	276	319	364	430	497	18,5	25	43
Cables in the ground (15 °C and 1,0 K.m/W), Installation depth 0,7 m										
Cables in the ground, conductor 65 °C A	240	285	325	370	420	480	550	26	35	57
Cables in the ground (20 °C and 2,5 K.m/W), Installation depth 0,7 m										
Cables in the ground, conductor 70 °C A	162	193	220	246	278	320	359	19	24	41
Cables in the ground in a tube, conductor 70 °C A	143	169	192	217	243	280	316	18	24	38
Maximum thermal short circuit current during 1 s										
Phase (initial 70 °C, final 160 °C) kA	7,7	10,5	13,2	16,5	20,3	26,3	32,8	0,1	0,3	0,7
Metal screen (initial 60 °C, final 250 °C) kA	5,6	8,0	11,1	11,1	15,1	19,1	23,9	0,2	0,4	1,0

2026-04-15 03:42:32

STANDARD PACKAGES	3x70/35	3x95/50	3x120/70	3x150/70	3x185/95	3x240/120	3x300/150	4x1,5/1,5	4x2,5/2,5	4x6/6
Product code	1106314	1106315	1106316	1106317	1106318	1106319	1106320	1106435	1106436	1106438
GTIN code	6410006031610	6410006031627	6410006031634	6410006031641	6410006031658	6410006031665	6438176305461	6410006031726	6410006031733	6410006031757
Package	1000 K20	1000 K22	500 K18	500 K20	500 K22	500 K24	400 K26	1000 K9	1000 K9	1000 K12
Product code	1106314	1106315						1106435	1106436	1106438
GTIN code	6410006031702	6410006031719						6410006031900	6410006031917	6410006031795
Package	500 K14	500 K16						500 K7	500 K8	50 bundle
Product code								1106435	1106436	1106438
GTIN code								6410006031924	6410006031870	6410006031306
Package								100 bundle	150 spool	500 K10
Product code								1106435	1106436	1106438
GTIN code								6410006031849	6410006031931	6438176305744
Package								50 bundle	100 bundle	200 MK6
Product code								1106435	1106436	
GTIN code								6410006031863	6410006031856	
Package								150 spool	50 bundle	

2026-04-15 03:42:32

Technical information	4x16/16	4x10/10	4x25/16	4x35/16	4x50/25	4x70/35	4x95/50	4x150/70	4x120/70	4x185/95
Product code	1106410	1106449	1106411	1106412	1106413	1106414	1106415	1106417	1106416	1106418
Nominal cable diameter mm	23	20	27	26	30	34	39	46	42	53
Nominal cable weight kg/km	1019	703	1444	1787	2485	3345	4588	6911	5691	8783
Nominal weight of copper kg/km	700	438	1039	1360	1914	2687	3732	5758	4769	7312
Nominal Insulation thickness mm	1,0	1,0	1,2	1,2	1,4	1,4	1,6	1,8	1,6	2,0
Nominal size of metal screen mm ²	16	10	16	16	25	35	50	70	70	95
Nominal thickness of oversheath mm	1,8	1,8	1,8	1,8	2,0	2,1	2,3	2,6	2,4	2,8
Fire load										
Fire load MJ/m	6,481	5,431	8,376	8,921	12,027	13,860	17,920	24,008	19,881	30,547
Fire load kWh/m	1,800	1,509	2,327	2,478	3,341	3,850	4,978	6,669	5,522	8,485
Maximum forces during installation when pulling by										
Max. pulling force by pulling-eye kN	3,2	2,0	5,0	7,0	10,0	14,0	19,0	20,0	20,0	20,0
Max. pulling force by pulling-stocking kN	1,0	0,6	1,5	2,1	3,0	4,2	5,7	8,5	7,2	8,5
Minimum bending radii										
Minimum bending radius, handling mm	272	237	326	315	366	403	462	547	503	639
Minimum bending radius, final bending mm	191	166	228	221	256	282	324	383	352	447
Minimum bending radii										
During handling and installation, cable cm	27	24	33	32	37	40	46	55	50	64
In final installation, cable cm	19	17	23	22	26	28	32	38	35	45
Minimum bending radii										
During handling and installation, cable m	0,27	0,24	0,33	0,32	0,37	0,40	0,46	0,55	0,50	0,64
In final installation, cable m	0,19	0,17	0,23	0,22	0,26	0,28	0,32	0,38	0,35	0,45
DC resistance										
Max. DC resistance of conductor at 20 °C Ω/km	1,15	1,83	0,727	0,524	0,387	0,268	0,193	0,124	0,153	0,0991
Maximum DC resistance at 20 °C, metal screen Ω/km	1,15	1,83	1,15	1,15	0,727	0,524	0,387	0,268	0,268	0,193

2026-04-15 03:42:32

Technical information	4x16/16	4x10/10	4x25/16	4x35/16	4x50/25	4x70/35	4x95/50	4x150/70	4x120/70	4x185/95
Current ratings										
Cables in air (25 °C)										
two loaded conductor, conductor 70 °C A	98	73	124	154	187	241	293	394	341	451
three loaded conductor, conductor 70 °C A	83	62	105	131	159	204	248	332	287	379
Cables in air (30 °C)										
two loaded conductor, conductor 70 °C A	94	70	119	148	180	232	282	379	328	434
three loaded conductor, conductor 70 °C A	80	60	101	126	153	196	238	319	276	364
Cables in the ground (15 °C and 1,0 K.m/W), Installation depth 0,7 m										
Cables in the ground, conductor 65 °C A	100	77	130	160	190	240	285	370	325	420
Cables in the ground (20 °C and 2,5 K.m/W), Installation depth 0,7 m										
Cables in the ground, conductor 70 °C A	70	54	92	110	130	162	193	246	220	278
Cables in the ground in a tube, conductor 70 °C A	64	50	82	98	116	143	169	217	192	243
Maximum thermal short circuit current during 1 s										
Phase (initial 70 °C, final 160 °C) kA	1,8	1,1	2,8	3,9	5,5	7,7	10,5	16,5	13,2	20,3
Metal screen (initial 60 °C, final 250 °C) kA	2,5	1,6	2,5	2,5	4,0	5,6	8,0	11,1	11,1	15,1

2026-04-15 03:42:32

STANDARD PACKAGES	4x16/16	4x10/10	4x25/16	4x35/16	4x50/25	4x70/35	4x95/50	4x150/70	4x120/70	4x185/95
Product code	1106410	1106449	1106411	1106412	1106413	1106414	1106415	1106417	1106416	1106418
GTIN code	6410006031771	6410006031764	6410006023882	6410006023790	6410006023776	6410006023783	6410006023820	6410006023844	6410006023837	6410006023851
Package	1000 K16	1000 K14	1000 K18	1000 K18	500 K14	500 K16	500 K18	500 K22	500 K20	500 K24
Product code	1106410	1106449	1106411	1106412	1106413	1106414				
GTIN code	6410006031344	6410006031313	6410006023899	6410006023769	6410006023806	6410006023813				
Package	500 K12	500 K11	500 K14	500 K14	1000 K20	1000 K22				

2026-04-15 03:42:32

Technical information	4x240/120	4x300/150
Product code	1106419	1106421
Nominal cable diameter mm	60	65
Nominal cable weight kg/km	11449	14174
Nominal weight of copper kg/km	9641	12051
Nominal Insulation thickness mm	2,2	2,4
Nominal size of metal screen mm ²	120	150
Nominal thickness of oversheath mm	3,0	3,2
Fire load		
Fire load MJ/m	37,412	43,817
Fire load kWh/m	10,392	12,171
Maximum forces during installation when pulling by		
Max. pulling force by pulling-eye kN	20,0	20,0
Max. pulling force by pulling-stocking kN	8,5	8,5
Minimum bending radii		
Minimum bending radius, handling mm	714	777
Minimum bending radius, final bending mm	500	544
Minimum bending radii		
During handling and installation, cable cm	71	78
In final installation, cable cm	50	54
Minimum bending radii		
During handling and installation, cable m	0,71	0,78
In final installation, cable m	0,50	0,54
DC resistance		
Max. DC resistance of conductor at 20 °C Ω/km	0,0754	0,0601
Maximum DC resistance at 20 °C, metal screen Ω/km	0,153	0,124

2026-04-15 03:42:32

Technical information	4x240/120	4x300/150
Current ratings		
Cables in air (25 °C)		
two loaded conductor, conductor 70 °C A	535	617
three loaded conductor, conductor 70 °C A	447	517
Cables in air (30 °C)		
two loaded conductor, conductor 70 °C A	514	593
three loaded conductor, conductor 70 °C A	430	497
Cables in the ground (15 °C and 1,0 K.m/W), Installation depth 0,7 m		
Cables in the ground, conductor 65 °C A	480	550
Cables in the ground (20 °C and 2,5 K.m/W), Installation depth 0,7 m		
Cables in the ground, conductor 70 °C A	320	359
Cables in the ground in a tube, conductor 70 °C A	280	316
Maximum thermal short circuit current during 1 s		
Phase (initial 70 °C, final 160 °C) kA	26,3	32,8
Metal screen (initial 60 °C, final 250 °C) kA	19,1	23,9

2026-04-15 03:42:32

STANDARD PACKAGES	4x240/120	4x300/150
Product code	1106419	1106421
GTIN code	6410006023868	6438176305478
Package	400 K26	400 K26