

Current Rating

Conductor cross section

Current rating for continuous service.
 Conductor temperature max. +90°C, ambient max +45°C.
 According to IEC 60092-352, Table B.4 for 0,6/1 kV cables.
 Up to 6 cables bunched together.

Cores	1	2	3	4	5	7	12	19	27	37
Reduction (mm²)	1,00	0,85	0,70	0,70	0,58	0,52	0,44	0,37	0,33	0,30
	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)
1,5	23	20	16	16	13	12	10	9	8	7
2,5	30	26	21	21	18	16	13	11	10	9
4	41	34	28	28	24					
6	52	44	36	36	30					
10	72	61	50	50	42					
16	96	82	67	67	56					
25	127	108	89	89	74					
35	157	133	110	110	92					
50	196	167	137	137						
70	242	206	169	169						
95	293	249	205	205						
120	339	288	237	237						
150	389	331	272	272						
185	444	377	311	311						
240	522	444	365	365						
300	601	511	421	421						

Ambient temperature correction factors according to IEC 60092-352

Temperature (°C)	35	40	45	50	55	60	65	70	75
Correction factor	1,10	1,05	1,00	0,94	0,88	0,82	0,74	0,67	0,58

Short time duty and intermittent service load correction factors (according to IEC 60092-352)

Cable diameter D (mm)	Time constant T (min)	Critical duration (rest time between service periods) 3xT (min)	Service time correction factor		Intermittent service correction factor 4 min load + 6 min rest
			30 min	60 min	
5	2,2	6,5	1,058	1,058	1,083
6	2,8	8,3	1,058	1,058	1,127
7	3,4	10	1,058	1,058	1,170
8	4,1	12	1,059	1,058	1,208
9	4,8	14	1,059	1,058	1,242
10	5,5	16	1,061	1,058	1,273
15	9,5	28	1,081	1,059	1,376
20	14	42	1,126	1,066	1,433
25	19	57	1,186	1,081	1,468
30	24	73	1,255	1,105	1,490
35	30	89	1,328	1,137	1,506
40	36	107	1,403	1,173	1,518
45	42	125	1,479	1,212	1,527
50	48	145	1,554	1,254	1,534
60	62	185	1,705	1,341	1,544
70	76	228	1,852	1,432	1,551
80	91	273	1,996	1,522	1,556
90	107	320	2,136	1,613	1,559
100	123	368	2,273	1,702	1,562

Identification Colours

POWER AND CONTROL CABLE CORES

Cable without earth core

Type	N	Line		
2X	Blue	Brown		
3X		Brown	Black	Grey
4X	Blue	Brown	Black	Grey

5...37X White insulation with black numbers

Cable with earth core

Type	PE	N	Line		
3G	G Y	Blue	Brown		
4G	G Y		Brown	Black	Grey
5G	G Y	Blue	Brown	Black	Grey

7...37G White insulation with black numbers + last core green and yellow

CONTROL AND INSTRUMENTATION CABLE CORES

Pair	Core a White insulation + black number	Core b Blue insulation + black number
1	1	2
2	3	4
N	2 * N - 1	2 * N