

MAXIMUM CURRENT-CARRYING CAPACITIES (A). Ambient temperature: 30°C in air.

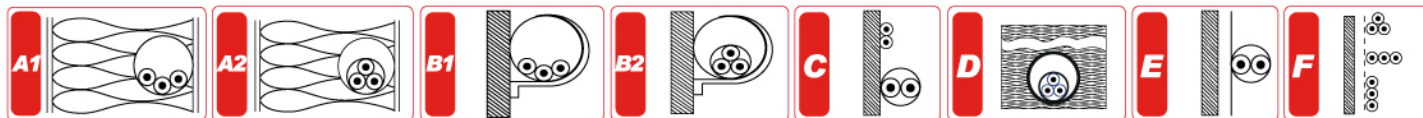
Methods of installation IEC 60364-5-52	Number of loaded conductors and type of insulation											
	XLPE= The values are valid for cables with a maximum operating temperature =90°C (XLPE, EPR, Silicone & Z) PVC= The values are valid for cables with a maximum operating temperature =70°C (PVC, Z1) 3= 3 loaded conductors; 2= 2 loaded conductors											

A1		3 PVC	2 PVC		3 XLPE	2 XLPE						
A2	3 PVC	2 PVC		3 XLPE	2 XLPE							
B1				3 PVC	2 PVC		3 XLPE		2 XLPE			
B2		3 PVC	2 PVC		3 XLPE	2 XLPE						
C				3 PVC	2 PVC	3 XLPE		2 XLPE				
E					3 PVC	2 PVC	3 XLPE		2 XLPE			
F						3 PVC	2 PVC	2 XLPE	3 XLPE		2 XLPE	
Cross sectional area (mm ²)	2	3	4	5	6	7	8	9	10	11	12	13
1,5	13	13,5	14,5	15,5	17	18,5	19,5	22	23	24	26	-
2,5	17,5	18	19,5	21	23	25	27	30	31	33	36	-
4	23	24	26	28	31	34	36	40	42	45	49	-
6	29	31	34	36	40	43	46	51	54	58	63	-
10	39	42	46	50	54	60	63	70	75	80	86	-
16	52	56	61	68	73	80	85	94	100	107	115	-
25	68	73	80	89	95	101	110	119	127	135	149	161
35	-	-	-	110	117	126	137	147	158	169	185	200
50	-	-	-	134	141	153	167	179	192	207	225	242
70	-	-	-	171	179	196	213	229	246	268	289	310
95	-	-	-	207	216	238	258	278	298	328	352	377
120	-	-	-	239	249	276	299	322	346	382	410	437
150	-	-	-	-	285	318	344	371	395	441	473	504
185	-	-	-	-	324	362	392	424	450	506	542	575
240	-	-	-	-	380	424	461	500	538	599	641	679

Method D IEC 60364-5-52	Cross sectional area (mm ²)	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240	300
Number of loaded conductors and type of insulation	2 PVC	22	29	38	47	63	81	104	125	148	183	216	246	278	312	361	408
	3 PVC	18	24	31	39	52	67	86	103	122	151	179	203	230	258	297	336
	2 XLPE	26	34	44	56	73	95	121	146	173	213	252	287	324	363	419	474
	3 XLPE	22	29	37	46	61	79	101	122	144	178	211	240	271	304	351	396

*Soil temperature 20 °C, soil thermal resistivity 2,5 K-m/W and depth 0,7 m.




MAXIMUM CURRENT-CARRYING CAPACITIES (A). Ambient temperature: 40°C in air.
Number of loaded conductors and type of insulation

Methods of
installation
UNE-HD
60364-5-52

XLPE= The values are valid for cables with a maximum operating temperature = 90°C (XLPE, EPR, Silicone & Z)

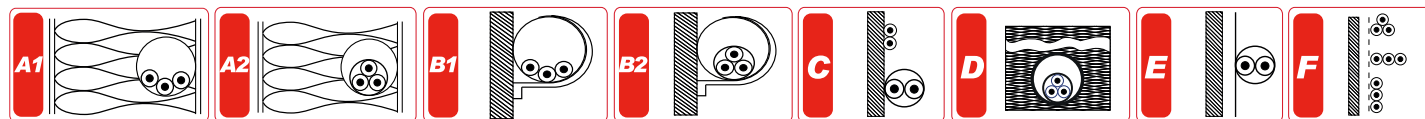
PVC= The values are valid for cables with a maximum operating temperature = 70°C (PVC, Z1)

3= 3 loaded conductors; 2= 2 loaded conductors

A1		3 PVC	2 PVC				3 XLPE		2 XLPE									
A2	3 PVC	2 PVC			3 XLPE		2 XLPE											
B1				3 PVC		2 PVC					3 XLPE				2 XLPE			
B2			3 PVC	2 PVC					3 XLPE		2 XLPE							
C						3 PVC				2 PVC			3 XLPE			2 XLPE		
E								3 PVC				2 PVC			3 XLPE		2 XLPE	
F										3 PVC			2 PVC			3 XLPE		2 XLPE
Cross sectional area (mm ²)	2	3	4	5a	5b	6a	6b	7a	7b	8a	8b	9a	9b	10a	10b	11	12	13
1,5	11	11,5	12,5	13,5	14	14,5	15,5	16	16,5	17	17,5	19	20	20	20	21	23	-
2,5	15	15,5	17	18	19	20	20	21	22	23	24	26	27	26	28	30	32	-
4	20	20	22	24	25	26	28	29	30	31	32	34	36	36	38	40	44	-
6	25	26	29	31	32	34	36	37	39	40	41	44	46	46	49	52	57	-
10	33	36	40	43	45	46	49	52	54	54	57	60	63	65	68	72	78	-
16	45	48	53	59	61	63	66	69	72	73	77	81	85	87	91	97	104	-
25	59	63	69	77	80	82	86	87	91	95	100	103	108	110	115	122	135	146
35	-	-	-	95	100	101	106	109	114	119	124	127	133	137	143	153	168	182
50	-	-	-	116	121	122	128	133	139	145	151	155	162	167	174	188	204	220
70	-	-	-	148	155	155	162	170	178	185	193	199	208	214	223	243	262	282
95	-	-	-	180	188	187	196	207	216	224	234	241	252	259	271	298	320	343
120	-	-	-	207	217	216	226	240	251	260	272	280	293	301	314	350	373	397
150	-	-	-	-	-	247	259	276	289	299	313	322	337	343	359	401	430	458
185	-	-	-	-	-	281	294	314	329	341	356	368	385	391	409	460	493	523
240	-	-	-	-	-	330	345	368	385	401	419	435	455	468	489	545	583	617

Method D UNE-HD 60364-5-52	Cross sectional area (mm ²)	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240	300
Number of loaded conductors and type of insulation	2 PVC	20	27	36	44	59	76	98	118	140	173	205	233	264	296	342	387
	3 PVC	17	22	29	37	49	63	81	97	115	143	170	192	218	245	282	319
	2 XLPE	24	32	42	53	70	91	116	140	166	204	241	275	311	348	402	455
	3 XLPE	21	27	35	44	58	75	96	117	138	170	202	230	260	291	336	380

*Soil temperature 25 °C, soil thermal resistivity 2,5 K-m/W and depth 0,7 m.



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A1		3 PVC	2 PVC		3 XLPE	2 XLPE						
A2	3 PVC	2 PVC		3 XLPE	2 XLPE							
B1				3 PVC	2 PVC		3 XLPE		2 XLPE			
B2			3 PVC	2 PVC		3 XLPE	2 XLPE					
C					3 PVC		2 PVC	3 XLPE		2 XLPE		
E						3 PVC		2 PVC	3 XLPE		2 XLPE	
F							3 PVC		2 PVC	3 XLPE		2 XLPE
Cross sectional area (mm ²)	2	3	4	5	6	7	8	9	10	11	12	13
1,5	13	13,5	14,5	15,5	17	18,5	19,5	22	23	24	26	-
2,5	17,5	18	19,5	21	23	25	27	30	31	33	36	-
4	23	24	26	28	31	34	36	40	42	45	49	-
6	29	31	34	36	40	43	46	51	54	58	63	-
10	39	42	46	50	54	60	63	70	75	80	86	-
16	52	56	61	68	73	80	85	94	100	107	115	-
25	68	73	80	89	95	101	110	119	127	135	149	161
35	-	-	-	110	117	126	137	147	158	169	185	200
50	-	-	-	134	141	153	167	179	192	207	225	242
70	-	-	-	171	179	196	213	229	246	268	289	310
95	-	-	-	207	216	238	258	278	298	328	352	377
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Method D IEC 60364-5-52	Cross sectional area (mm ²)	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240	300
Number of loaded conductors and type of insulation	2 PVC	22	29	38	47	63	81	104	125	148	183	216	246	278	312	361	408
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	3 XLPE	22	29	37	46	61	79	101	122	144	178	211	240	271	304	351	396

*Soil temperature 20 °C, soil thermal resistivity 2,5 K-m/W and depth 0,7 m.

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A2	3 PVC	2 PVC			3 XLPE		2 XLPE											
B1				3 PVC		2 PVC					3 XLPE				2 XLPE			
B2			3 PVC	2 PVC					3 XLPE		2 XLPE							
C						3 PVC				2 PVC			3 XLPE			2 XLPE		
E							3 PVC					2 PVC			3 XLPE		2 XLPE	
F										3 PVC				2 PVC		3 XLPE		2 XLPE
Cross sectional area (mm ²)	2	3	4	5a	5b	6a	6b	7a	7b	8a	8b	9a	9b	10a	10b	11	12	13
1,5	11	11,5	12,5	13,5	14	14,5	15,5	16	16,5	17	17,5	19	20	20	20	21	23	-
2,5	15	15,5	17	18	19	20	20	21	22	23	24	26	27	26	28	30	32	-
4	20	20	22	24	25	26	28	29	30	31	32	34	36	36	38	40	44	-
6	25	26	29	31	32	34	36	37	39	40	41	44	46	46	49	52	57	-
10	33	36	40	43	45	46	49	52	54	54	57	60	63	65	68	72	78	-
16	45	48	53	59	61	63	66	69	72	73	77	81	85	87	91	97	104	-
25	59	63	69	77	80	82	86	87	91	95	100	103	108	110	115	122	135	146
35	-	-	-	95	100	101	106	109	114	119	124	127	133	137	143	153	168	182
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120	-	-	-	207	217	216	226	240	251	260	272	280	293	301	314	350	373	397
150	-	-	-	-	-	247	259	276	289	299	313	322	337	343	359	401	430	458
185	-	-	-	-	-	281	294	314	329	341	356	368	385	391	409	460	493	523
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	2 XLPE	24	32	42	53	70	91	116	140	166	204	241	275	311	348	402	455
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