



EXAVB

Power cable 0,6/1 kV with Cu conductors, XLPE insulated and PVC sheathed

APPLICATION

EXAVB is an armoured energy cable for low voltage installations of 0.6/1kV preventing a risk of mechanical damage. The cable is UV resistant. EXAVB may be laid directly in the ground without additional mechanical protection, within facilities, in cable canals. Used in electric power plants, transformer stations, industrial plants, metropolitan networks and other electric plants. The cable is suitable for use at ambient temperatures between -20°C and + 60°C. The safety circuit under the armour is suitable for grounding conductors up to 6mm².

CONSTRUCTION

Conductors: . Cu, class1 or 2 according to EN 60228
Insulation: XLPE compound
Bedding: Safety circuit with copper wires
Concentric conductor: Galvanized steel tapes or steel wires
Sheath: PVC compound, UV resistant

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

Single-core: ● Green/Yellow OR ● Black
 3-core (a): ● Green/Yellow ● Brown ● Blue
 3-core (b): ● Black ● Brown ● Grey
 4-core (a): ● Green/Yellow ● Brown ● Black ● Grey
 4-core (b): ● Blue ● Brown ● Black ● Grey
 5-core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

Outer Sheath Colour:

● Black

Other colours available on request

TECHNICAL CHARACTERISTICS

Test voltage: 4 Kv
Rated voltage: 0,6/1 kV
Bending radius (min): single-core- 15D;
Min. laying temperature: 5°C
Max. conductor temperature: 90°C
Max. short-circuit temperature: 250°C
Operating temperature: -20°C to 60°C

STANDARD

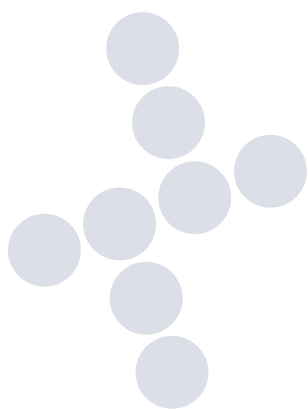
NBN HD 603 S1, IEC 60502-1

CERTIFICATION



NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	STEEL WIRES ARMOUR	STEEL TAPE ARMOUR	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	A	A	mm	mm	mm	kg/km	kg/km
1x10	RE/RM	1,83	-	-	1,2	-	12,9	96	409
1x16	RE/RM	1,15	-	-	1,2	-	13,9	153,6	502
1x25	RM	0,727	121	167	1,2	-	15,5	240	646
1x35	RM	0,524	157	186	1,2	-	16,5	336	763
1x50	RM	0,387	192	216	1,2	-	17,9	480	932
1x70	RM	0,268	252	261	1,2	-	20,1	672	1203
1x95	RM	0,193	318	321	-	2x0,5	23,8	912	1618
1x120	RM	0,153	371	361	-	2x,05	25,5	1152	1906
1x150	RM	0,124	437	412	-	2x0,5	27,3	1440	2215
1x185	RM	0,0991	500	473	-	2x0,5	29,1	1776	2695
1x240	RM	0,0754	600	543	-	2x0,5	32,1	2304	3280
1x300	RM	0,0601	701	625	-	2x0,5	34,4	2880	3961
1x400	RM	0,0470	802	701	-	2x0,5	38,1	3840	4867
1x500	RM	0,0366	931	779	-	2x0,7	43,6	4800	6104
1x630	RM	0,0283	1090	873	-	2x0,7	49,6	6048	8165
1x800	RM	0,0221	1237	973	-	2x0,7	54,9	7680	10214
3x16	RE/RM	1,150	100	120	-	2x0,5	23,0	422	1240
3x25	RM	0,727	127	150	-	2x0,5	26,4	641	1583
3x35	RM	0,524	157	175	-	2x0,5	29,0	891	2072
3x50	RM	0,387	192	205	-	2x0,5	32,0	1214	2531
3x25+16	RM/RM	0,727/1,150	127	150	-	2x0,5	28,9	776	2087
3x35+16	RM/RM	0,524/1,150	157	175	-	2x0,5	31,4	1025	2524
3x50+25	RM/RM	0,387/0,727	192	205	-	2x0,5	35,0	1429	3225
3x50+35	RM/RM	0,387/0,524	192	205	-	2x0,5	35,0	1513	3264
4x16	RE/RM	1,150	100	120	-	2x0,5	24,6	563	1417
4x25	RM	0,727	127	150	-	2x0,5	28,8	855	1993
4x35	RM	0,524	157	175	-	2x0,5	31,7	1189	2456
4x50	RM	0,387	192	205	-	2x0,5	35,7	1621	3212
4x70	RM	0,268	146	265	-	2x0,5	39,8	2347	4134
4x95	RM	0,193	299	315	-	2x0,5	44,3	3197	5344
4x120	RM	0,153	346	360	-	2x0,7	48,8	4044	6708
4x150	RM	0,124	399	405	-	2x0,7	46,0	5080	8137
4x185	RM	0,0991	456	460	-	2x0,7	51,2	6310	9965
4x240	RM	0,0754	538	530	-	2x0,7	58,2	8266	12706
5x16	RE/RM	1,150	100	120	-	2x0,5	26,3	654	1551
5x25	RM	0,727	127	150	-	2x0,5	31	1070	2271
5x35	RM	0,524	157	175	-	2x0,5	34,3	1488	2889
5x50	RM	0,387	192	205	-	2x0,5	38,7	2028	3719
5x70	RM	0,268	146	265	-	2x0,5	43,2	2936	4851
5x95	RM	0,193	299	315	-	2x0,5	48,2	4001	6304
5x120	RM	0,153	346	360	-	2x0,7	53,1	5060	7911
5x150	RM	0,124	399	405	-	2x0,7	50,9	6357	9651
5x185	RM	0,0991	456	460	-	2x0,7	56,7	7895	11850
5x240	RM	0,0754	538	530	-	2x0,7	64,4	10342	15161

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mm ²		Ω/km	A	A	mm	mm	mm	kg/km	kg/km
3x70	SM	0,268	246	265	-	2x0,5	33,1	1751	2963
3x95	SM	0,193	299	315	-	2x0,5	35,9	2386	3792
3x120	SM	0,153	346	360	-	2x0,7	38,9	3018	4525
3x150	SM	0,124	399	405	-	2x0,7	43,8	3791	5824
3x185	SM	0,0991	456	460	-	2x0,7	47,9	4709	7065
3x240	SM	0,0754	538	530	-	2x0,7	52,8	6168	8947
3x300	SM	0,0601	620	590	-	2x0,7	57,5	7787	10816
4x70	SM	0,268	246	265	-	2x0,5	37,4	2335	3787
4x95	SM	0,193	299	315	-	2x0,5	41,3	3182	4786
4x120	SM	0,153	346	360	-	2x0,7	45,7	4024	6146
4x150	SM	0,124	399	405	-	2x0,7	50,1	5055	7519
4x185	SM	0,0991	456	460	-	2x0,7	54,6	6279	9134
4x240	SM	0,0754	538	530	-	2x0,7	60,2	8225	11331
4x300	SM	0,0601	620	590	-	2x0,7	65,5	10383	14063
3x70+35	SM/SM	0,268/0,524	246	265	-	2x0,5	36,2	2037	3465
3x95+50	SM/SM	0,268/0,387	299	315	-	2x0,5	39,7	2789	4314
3x120+70	SM/SM	0,153/0,268	346	360	-	2x0,7	43,8	3602	5624
3x150+70	SM/SM	0,124/0,268	399	405	-	2x0,7	48,4	4375	6725
3x185+95	SM/SM	0,0991/0,268	456	460	-	2x0,7	52,7	5503	8077
3x240+120	SM/SM	0,0754/0,153	538	530	-	2x0,7	58,2	7174	10208
3x300+150	SM/SM	0,0601/0,124	620	590	-	2x0,7	63,7	9021	12423



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