



U-1000 RVFV

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

APPLICATION

Distribution power cable for static application, mostly in ground, but also in water, within facilities, in cable canals, in concrete. Used in electric power plants, transformer stations, industrial plants, metropolitan networks and other electric plants. Applied in conditions requiring protection against heavier mechanical damages, but where cables are not exposed to heavier tensile strain.

TECHNICAL CHARACTERISTICS

Test voltage: 4 Kv
 Rated voltage: 0,6/1 kV
 Bending radius (min): single-core- 15D;
 multicore- 12D
 Min. laying temperature: -5°C
 Max. working temperature: 90°C
 Max. short-circuit temperature: 250°C

CONSTRUCTION

Conductors: Cu, class 1 or 2 according to EN 60228
 Insulation: : XLPE compound
 Bedding: Extruded elastomere or plastomere compound or plastic tape
 Armour: Two galvanized steel tapes
 Sheat: PVC compound

STANDARD

NF C 32-322

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

2-core: ● Brown ● Blue
 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

CERTIFICATION



NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²	Ω/km	A	A	mm	kg/km	kg/km
2x1,5	12,1	26	37	10,9	28,8	278
2x2,5	7,41	36	48	11,9	48	330
2x4	4,61	49	63	12,8	76,8	393
2x6	3,08	63	80	13,8	115,2	475
2x10	1,830	86	104	16,0	192	643
2x16	1,150	115	136	18,1	307,2	857
2x25	0,727	149	173	21,5	480	1214
2x35	0,524	185	208	23,8	672	1527
2x50	0,387	192	206	27,0	960	1832
3x1,5	12,1	23	31	11,3	43,2	301
3x2,5	7,41	31	41	12,5	72	356
3x4	4,61	42	53	13,4	115,2	440
3x6	3,08	54	66	14,4	172,8	540
3x10	1,830	75	87	16,9	288	758
3x16	1,150	100	113	19,0	460,8	1010
3x25	0,727	127	144	22,7	720	1451
3x35	0,524	158	174	25,1	1008	11857
3x50	0,387	192	206	28,1	1440	2373
3x70	0,268	246	254	32,5	2016	3237
3x95	0,193	298	301	37,8	2736	4659
3x120	0,153	346	343	41,7	3456	5678
3x150	0,124	395	387	46,4	4320	6910
3x185	0,0991	450	434	50,4	5328	8352
4x1,5	12,1	23	31	12,1	57,6	337
4x2,5	7,41	31	41	13,2	96	410
4x4	4,61	42	53	14,3	153,6	510
4x6	3,08	54	66	15,5	230,4	627
4x10	1,830	75	87	18,3	384	891
4x16	1,150	100	113	20,8	614,4	1220
4x25	0,727	127	144	24,9	960	1769
4x35	0,524	158	174	27,6	1344	2264
4x50	0,387	192	206	30,9	1920	2908
4x70	0,268	246	254	37,4	2688	4424
4x95	0,193	298	301	41,8	3648	5732
4x120	0,153	346	343	46,2	4608	7035
4x150	0,124	395	387	51,2	5760	8535
4x185	0,0991	450	434	55,7	7104	10352
4x240	0,0754	538	501	63,3	9216	13282
4x300	0,0601	621	565	70,0	11520	16290

NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²	Ω/km	A	A	mm	kg/km	kg/km
3x50+35	0,387/0,524	192	206	30,2	1776	3540
3x70+35	0,268/0,524	246	254	34,1	2352	3698
3x70+50	0,268/0,387	246	254	35,1	2496	5051
3x95+50	0,193/0,387	298	301	39,5	3216	6236
3x120+70	0,153/0,268	346	343	43,7	4128	7423
3x150+70	0,124/0,268	395	384	47,9	4992	3540
3x185+70	0,0991/0,268	450	434	51,4	6000	8789
3x240+95	0,0601/0,193	538	501	58,2	7824	11301
5x1,5	12,1	23	31	13,1	72	374
5x2,5	7,41	31	41	14,1	120	388
5x4	4,61	42	53	15,3	192	589
5x6	3,08	54	66	16,9	288	745
5x10	1,830	75	87	20	480	1061
5x16	1,150	100	113	22,6	768	1452
5x25	0,727	127	144	27,3	1200	2136
5x35	0,524	158	174	30,4	1680	2746
5x50	0,387	192	206	35,9	2400	3988

Current rating for multicore cable installed in open air, ambient temperature = 30°C.

Current rating for multicore cable buried in ducts, soil temperature = 20°C, depth of burial = 0,7m, soil thermal resistivity = 2,5K.m/W.

