



N2XY FR3

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

APPLICATION

In earth, ducts, on support brackets, in dry and wet conditions etc., where one does not expect mechanical damages and the cables are not exposed to the mechanical tensile strain. In urban networks, industrial plants, electric power plants and other electricity consumers and for connection of control devices in industry, traffic etc.

TECHNICAL CHARACTERISTICS

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

CONSTRUCTION

Conductors: Cu, class 2 according to EN 60228
Insulation: XLPE compound DIX 3
Bedding: Extruded elastomere or plastomere compound or plastic tape
Sheath: PVC compound, fire retardant, green

STANDARD

IS 1516-1, IEC 60502-1, HD 603 S1

CORE IDENTIFICATION

According to SI 15 16-1

Outer Sheath Colour:

● Green

Other colours available on request

CERTIFICATION



International
Electrotechnical
Commission



SINGLE - CORE CABLES:

NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	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
1x10	RM	1,830	77	89	8,6	96,0	163,2
1x16	RM	1,150	102	115	9,5	153,6	230,4
1x25	RM	0,727	138	148	11,0	240,0	336,1
1x35	RM	0,524	170	177	12,1	336,0	444,5
1x50	RM	0,387	207	209	13,6	480,0	607,7
1x70	RM	0,268	263	256	15,2	672,0	820,9
1x95	RM	0,193	325	307	16,8	912,0	1079,7
1x120	RM	0,153	380	349	18,4	1152,0	1342,3
1x150	RM	0,124	437	393	20,2	1440,0	1660,2
1x185	RM	0,0991	507	445	22,2	1776,0	2029,4
1x240	RM	0,0754	604	517	24,5	2304,0	2594,3
1x300	RM	0,0601	697	583	26,7	2880,0	3205,9
1x400	RM	0,0470	811	663	30,4	3840,0	4242,1
1x500	RM	0,0366	940	749	33,7	4800,0	5283,5
1x630	RM	0,0283	1083	843	37,4	6048,0	6626,4

TWO - CORE CABLES:

NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	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	RM	12,1	24	31	8,9	28,8	120,8
2x2,5	RM	7,41	32	40	9,7	48,0	156,9
2x4	RM	4,61	42	52	10,8	76,8	208,6
2x6	RM	3,08	53	64	11,8	115,2	271,8
2x10	RM	1,830	74	86	13,6	192,0	392,1
2x16	RM	1,150	98	112	15,5	307,2	562,1
2x25	RM	0,727	133	145	18,7	480,0	846,6
2x35	RM	0,524	162	174	21,1	672,0	1127,5
2x50	RM	0,387	197	206	24,3	960,0	1556,3
2x70	RM	0,268	250	254	27,7	1344,0	2110,6
2x95	RM	0,193	308	305	31,1	1824,0	2775,6
2x120	RM	0,153	359	348	34,5	2304,0	3467,2
2x150	RM	0,124	412	392	38,4	2880,0	4313,5

THREE - CORE CABLES:

NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	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
3x1,5	RM	12,1	24	31	9,3	43,2	139,6
3x2,5	RM	7,41	32	40	10,3	72,0	185,6
3x4	RM	4,61	42	52	11,4	115,2	251,9
3x6	RM	3,08	53	64	12,6	172,8	334,2
3x10	RM	1,830	74	86	14,4	288,0	492,4
3x16	RM	1,150	98	112	16,5	460,8	718,7
3x25	RM	0,727	133	145	20,0	720,0	1089,2
3x35	RM	0,524	162	174	22,5	1008,0	1463,0
3x50	RM	0,387	197	206	25,1	1440,0	2021,8
3x70	RM	0,268	250	254	28,8	2016,0	2761,7
3x95	RM	0,193	308	305	33,5	2736,0	3655,7
3x120	RM	0,153	359	348	36,2	3456,0	4577,9
3x150	RM	0,124	412	392	40,4	4320,0	5703,5
3x185	RM	0,0991	475	444	44,8	5328,0	7015,6

FOUR - CORE CABLES WITH REDUCED NEUTRAL CORE:

NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	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
3x25+16	RM	0,727	133	148	21,6	873,6	1248,0
3x35+16	RM	0,524	162	177	23,6	1161,6	1607,0
3x50+35	RM	0,387	197	209	27,3	1776,0	2324,0
3x70+35	RM	0,268	250	256	31,6	2352,0	3101,0
3x95+50	RM	0,193	308	307	35,6	3216,0	4116,0
3x95+70	RM	0,193	308	307	35,6	3408,0	4285,0
3x120+50	RM	0,153	359	349	39,7	3936,0	5033,0
3x120+70	RM	0,153	359	349	39,7	4128,0	5200,0
3x120+95	RM	0,153	359	349	39,8	4368,0	5412,0
3x150+70	RM	0,124	412	393	43,6	4992,0	6351,0
3x185+95	RM	0,0991	475	445	48,4	6240,0	7880,0
3x240+120	RM	0,0754	564	517	54,1	8064,0	10080,0
3x300+150	RM	0,0601	649	583	59,8	10080,0	12495,0

FOUR - CORE CABLES:

NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	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
4x1,5	RM	12,1	24	31	10,1	57,6	164,4
4x2,5	RM	7,41	32	40	11,1	96,0	221,7
4x4	RM	4,61	42	52	12,4	153,6	304,6
4x6	RM	3,08	53	64	13,7	230,4	408,4
4x10	RM	1,830	74	86	15,8	384,0	608,7
4x16	RM	1,150	98	112	18,1	614,4	896,8
4x25	RM	0,727	133	145	22,0	960,0	1364,3
4x35	RM	0,524	162	174	24,9	1344,0	1840,0
4x50	RM	0,387	197	206	27,9	1920,0	2552,8
4x70	RM	0,268	250	254	32,7	2688,0	3506,4
4x95	RM	0,193	308	305	36,2	3648,0	4641,4
4x120	RM	0,153	359	348	40,3	4608,0	5817,8
4x150	RM	0,124	412	392	45,0	5760,0	7302,6
4x185	RM	0,0991	475	444	49,9	7104,0	8980,5
4x240	RM	0,0754	564	517	56,1	9216,0	11529,6
4x300	RM	0,0601	649	585	61,8	11520,0	14275,1

FIVE - CORE CABLES:

NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	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
5x1,5	RM	12,1	24	31	11,0	72,0	192,0
5x2,5	RM	7,41	32	40	12,1	120,0	261,5
5x4	RM	4,61	42	52	13,6	192,0	362,1
5x6	RM	3,08	53	64	15,0	288,0	488,5
5x10	RM	1,830	74	86	17,3	480,0	733,2
5x16	RM	1,150	98	112	19,9	768,0	1086,1
5x25	RM	0,727	133	145	24,2	1200,0	1656,8
5x35	RM	0,524	162	174	27,4	1680,0	2239,9
5x50	RM	0,387	197	206	31,8	2400,0	3127,0
5x70	RM	0,268	250	254	36,4	3360,0	4287,4
5x95	RM	0,193	308	305	41,0	4560,0	5695,4
5x120	RM	0,153	359	348	45,6	5760,0	7140,8