



U1000 RV-K

XLPE insulated and PVC sheathed power cables with Cu conductors, rated voltage 0,6/1 kV

APPLICATION

Power cable suitable for household and industrial applications. Designed for installation on or under plaster, in walls, or embedded in concrete, without the need for additional mechanical protection (except in dry or pre-stressed concrete, where it must not be used). Its flexibility significantly simplifies installation. Suitable for use in dry, damp, or wet environments, both indoors and outdoors, without the need for extra protection.

TECHNICAL CHARACTERISTICS

Rated voltage: (U₀/U): 0,6/1 kV AC; 1,5/1,5 kV DC

Lowest installation temperature: -5°C

Maximum conductor operating temperature: 90°C

Max. short-circuit temperature: 250°C

Lowest ambient temperature for fixed installation: -35°C

Min. bending radius: 8D; D – overall diameter

CPR class (EN 50575, EN 13501-6): Eca

CONSTRUCTION

Conductors: Cu, class 5 according to EN 60228

Insulation: XLPE compound

Bedding: Extruded elastomere or plastomere compound

Sheath: PVC compound

STANDARD

UNE 21123-2, IEC 60502-1

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

Single-core: ● Green/Yellow OR ● Black

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



International
Electrotechnical
Commission



SINGLE- CORE CABLES:

NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	CURRENT CARRYING CAPACITY IN AIR	CURRENT CARRYING CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²	Ω/km	A	A	mm	kg/km	kg/km
1x1,5	13,30	26	33	5,7	14,4	49
1x2,5	7,98	34	42	6,0	24,0	63
1x4	4,95	44	54	6,6	38,4	83
1x6	3,30	56	67	7,2	57,6	110
1x10	1,910	77	89	8,1	96,0	158
1x16	1,210	102	115	9,3	153,6	215
1x25	0,780	138	148	10,9	240,0	325
1x35	0,554	170	177	12,4	336,0	433
1x50	0,386	207	209	14,0	480,0	597
1x70	0,272	263	256	16,0	672,0	821
1x95	0,206	325	307	18,3	865,0	1085
1x120	0,161	380	349	20,5	1116,0	1354
1x150	0,129	437	393	23,0	1365,0	1685
1x185	0,106	507	445	25,4	1684,0	2074
1x240	0,0801	604	517	27,8	2184,0	2645
1x300	0,0641	697	583	31,2	2880,0	3285
1x400	0,0486	811	663	34,8	3840,0	4326
1x500	0,0384	940	749	39,4	4800,0	5372
1x630	0,0287	1083	843	44,2	6048,0	6731

TWO- CORE CABLES:

NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	CURRENT CARRYING CAPACITY IN AIR	CURRENT CARRYING CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²	Ω/km	A	A	mm	kg/km	kg/km
2x1,5	13,30	24	31	9,4	28,8	116
2x2,5	7,98	32	40	10,6	48,0	156
2x4	4,95	42	52	11,8	76,8	207
2x6	3,30	53	64	13,6	115,2	281
2x10	1,910	74	86	16,2	192,0	447
2x16	1,210	98	112	16,0	307,2	557
2x25	0,780	133	145	20,6	480,0	883
2x35	0,554	162	174	23,2	672,0	1172
2x50	0,386	197	206	27,0	960,0	1625
2x70	0,272	250	254	31,6	1344,0	2239
2x95	0,206	308	305	35,0	1824,0	2914
2x120	0,161	359	348	39,8	2304,0	3701
2x150	0,129	412	392	44,2	2880,0	4603
2x185	0,106	475	444	49,4	3552,0	5699
2x240	0,0801	564	517	55,4	4608,0	7291

THREE- CORE CABLES:

NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	CURRENT CARRYING CAPACITY IN AIR	CURRENT CARRYING CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²	Ω/km	A	A	mm	kg/km	kg/km
3x1,5	13,30	24	31	9,9	43,2	135
3x2,5	7,98	32	40	11,2	72,0	184
3x4	4,95	42	52	12,5	115,2	249
3x6	3,30	53	64	14,4	172,8	342
3x10	1,910	74	86	17,2	288,0	541
3x16	1,210	98	112	17,0	460,8	708
3x25	0,780	133	145	21,9	720,0	1114
3x35	0,554	162	174	24,7	1008,0	1491
3x50	0,386	197	206	28,8	1440,0	2077
3x70	0,272	250	254	34,0	2016,0	2881
3x95	0,206	308	305	37,4	2736,0	3765
3x120	0,161	359	348	42,6	3456,0	4768
3x150	0,129	412	392	47,5	4320,0	5960
3x185	0,106	475	444	53,1	5328,0	7366
3x240	0,0801	564	517	59,5	6912,0	9447

FOUR- CORE CABLES:

NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	CURRENT CARRYING CAPACITY IN AIR	CURRENT CARRYING CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²	Ω/km	A	A	mm	kg/km	kg/km
4x1,5	13,30	24	31	10,7	57,6	159
4x2,5	7,98	32	40	12,2	96,0	220
4x4	4,95	42	52	13,6	153,6	301
4x6	3,30	53	64	15,8	230,4	415
4x10	1,910	74	86	18,9	384,0	655
4x16	1,210	98	112	18,7	614,4	880
4x25	0,780	133	145	24,2	960,0	1380
4x35	0,554	162	174	27,3	1344,0	1856
4x50	0,386	197	206	32,1	1920,0	2606
4x70	0,272	250	254	37,9	2688,0	3611
4x95	0,206	308	305	41,7	3648,0	4741
4x120	0,161	359	348	47,7	4608,0	6016
4x150	0,129	412	392	52,9	5760,0	7492
4x185	0,106	475	444	59,4	7104,0	9278
4x240	0,0801	564	517	66,5	9216,0	11907

FIVE- CORE CABLES:

NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	CURRENT CARRYING CAPACITY IN AIR	CURRENT CARRYING CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²	Ω/km	A	A	mm	kg/km	kg/km
5x1,5	13,30	24	31	11,6	72,0	186
5x2,5	7,98	32	40	13,3	120,0	259
5x4	4,95	42	52	14,9	192,0	357
5x6	3,30	53	64	17,3	288,0	495
5x10	1,910	74	86	20,8	480,0	781
5x16	1,210	98	112	20,5	768,0	1062
5x25	0,780	133	145	26,7	1200,0	1666
5x35	0,554	162	174	30,2	1680,0	2247
5x50	0,386	197	206	35,7	2400,0	3175
5x70	0,272	250	254	42,2	3360,0	4378
5x95	0,206	308	305	46,6	4560,0	5780
5x120	0,161	359	348	53,0	5760,0	7299
5x150	0,129	412	392	59,1	7200,0	9118
5x185	0,106	475	444	66,2	8880,0	11282
5x240	0,0801	564	517	74,8	11520,0	14582

