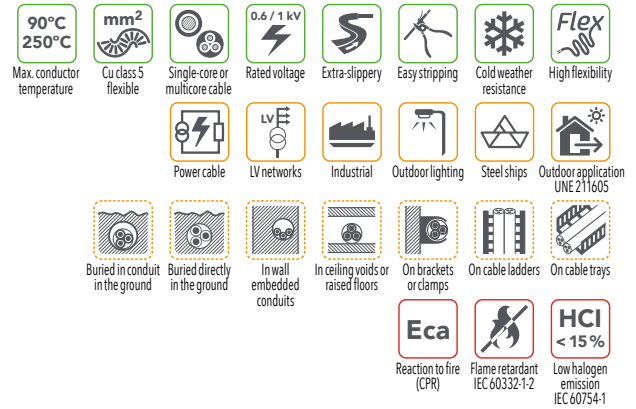


BARRYFLEX RV-K 0.6/1 kV

DoP : ME100ORVK. MIGUÉLEZ ARTICLE GROUP 202

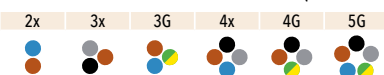


- **Standards (construction/tests):** IEC 60502-1 and UNE 21123-2.
- **Technical designation:** RV-K 0.6/1 kV.
- **Construction:**
 - **Conductor:** Copper, class 5 (IEC 60228).
 - **Insulation:** Cross-linked polyethylene (XLPE). XLPE (IEC 60502-1) & XLPE type DIX 3 (UNE-HD 603-1).
 - **Assembly of cores (multicore cables):** Cores cabled helically.
 - **Filler/Inner covering:** Optional for multicore cables. Material suitable for the operating temperature of the cable and compatible with the insulation and oversheath material.
 - **Oversheath:** Polyvinyl chloride (PVC). PVC type ST2 (IEC 60502-1) & PVC type DMV-18 (UNE-HD 603-1).
- **Rated voltage (Uo/U):** 0.6/1 kV AC.
- **Max. conductor temperature. Normal operation / short-circuit (t≤5s):** 90 °C / 250 °C.
- **Range:** Single-core or multicore cable.
Configurations: 1x(1.5...500) mm² / 2x(1.5...240) mm² / (3-4)x o G(1.5...240) mm² / 5G(1.5...240) mm².
- **Reaction to fire classification (CPR - EN 50575 & EN 13501-6):** Eca.
- **Other fire performance features (when CPR Regulation is not applicable):** Flame retardant (IEC 60332-1-2).

• **Applications****:** Especially suitable as a power cable for fixed installations in LV distribution networks, general purposes and industrial plants. It can also be used in marine and offshore installations (IEC 60092-350/353/360).
 Its great flexibility makes it especially practical for complex geometric installations.
 Suitable for indoor and outdoor installations, on supports in the air (brackets, clamps...), in conduits or buried.
 In the case the cable is installed on cable brackets or cleats, the horizontal distance between cleats should not surpass 20 times the overall diameter of the cable. The distance is also valid between points of support in case of laying on other type of supports.
 The maximal distance between supports will never be greater than 80 cm under any circumstances.
 In case of separate laying of single-core cables, cleats made of plastics or cleats consisting of non-magnetic metals must be used.
 Cables and bundles of cables are to be tightened in such a way that damages in form of indentation marks by pressure caused by heat expansion are avoided.

- **Temperature ranges:**
 - **Maximum ambient temperature:** +60 °C.
 - **Minimum ambient temperature:** –30 °C (static, permanently installed, protected against mechanical damage, without exposure to movement, mechanical damages, shocks, or vibrations).
 - **Minimum temperature for cable laying during installation and assembly of accessories:** 0 °C.
 This temperature is valid for the cable itself and not for the environment. If possible, the temperature of the cable shall be raised before laying, e.g., in a heated building, to facilitate handling and reduce the risk of damages.
- **Minimum bending radius:** 4xD (D<25); 5xD(25≤D≤50); 6xD(D>50). D = overall diameter of the cable in mm.
 Bending nearby the temperature limits should be carried out extra carefully.
- **Maximum pulling force:**
 - If the pulling force is applied on the copper conductors: $F = 50 \times S \text{ (N)}$. S = cross-sectional area of the conductors (mm²).
 - If the pulling force is applied on the oversheath: $F = 5 \times D^2 \text{ (N)}$. D = overall diameter of the cable (mm).
 It is assumed that the cable route is well designed for the laying procedure with well-established curves and enough cable rollers. Special attention shall be paid to the required minimum bending radius.

- **Identification:** Oversheath colour → Black (92).
 – Core identification for multicore cables (From 2 to 5): HD 308 S2.



- **Packaging:** Drum/cut to length and coils (100 m).

* Short product code. Must be completed with the corresponding characters for 'oversheath colour' and 'packaging'. Check the 'Miguelélez product code' section on our web page, in 'Downloads'.
 ** Check the CPR-classified range and the range included in the certifications indicated for each product, as well as much more information about our products, on the website: www.miguelélez.com
 *** Dimensional and weight values are approximate and subject to normal manufacturing tolerances.
 **** It is the sole responsibility of the end user to determine suitability of this product for its intended use and application. Please, consult the regulations, laws or standards that are applicable to each particular case.
 The installation systems and additional requirements established by any regulation, law and/or standards applicable to each particular case must be met.

Code*	No. of cores & nominal cross-sectional area	Insulation thickness	Overall diameter	Total weight	Maximum electrical resistance at 20°C (DC)
	mm ²				
82020101-50	1 x 1.5	0.7	5.7	42	13.3
82020102-50	1 x 2.5	0.7	6.1	54	7.98
82020100040	1 x 4	0.7	6.8	70	4.95
82020100060	1 x 6	0.7	7.2	90	3.30
82020100100	1 x 10	0.7	8.3	131	1.91
82020100160	1 x 16	0.7	9.5	193	1.21
82020100250	1 x 25	0.9	10.9	281	0.780
82020100350	1 x 35	0.9	12.0	375	0.554
82020100500	1 x 50	1.0	13.7	515	0.386
82020100700	1 x 70	1.1	15.7	705	0.272
82020100950	1 x 95	1.1	17.5	925	0.206
82020101200	1 x 120	1.2	19.3	1150	0.161
82020101500	1 x 150	1.4	21.7	1452	0.129
82020101850	1 x 185	1.6	24.0	1770	0.106
82020102400	1 x 240	1.7	26.7	2300	0.0801
82020103000	1 x 300	1.8	30.1	2820	0.0641
82020104000	1 x 400	2.0	32.2	3595	0.0486
82020104000	1 x 500	2.2	42.2	4957	0.0384
82020201-50	2 x 1.5	0.7	8.2	85	13.3
82020202-50	2 x 2.5	0.7	9.1	110	7.98
82020200040	2 x 4	0.7	10.4	155	4.95
82020200060	2 x 6	0.7	11.4	205	3.30
82020200100	2 x 10	0.7	13.5	310	1.91
82020200160	2 x 16	0.7	15.2	456	1.21
82020200250	2 x 25	0.9	18.5	679	0.780
82020200350	2 x 35	0.9	21.9	990	0.554
82020200500	2 x 50	1.0	25.5	1385	0.386
82020311-50	3 G 1.5	0.7	8.8	100	13.3
82020312-50	3 G 2.5	0.7	9.8	140	7.98
82020310040	3 G 4	0.7	11.1	195	4.95
82020310060	3 G 6	0.7	12.2	262	3.30
82020310100	3 G 10	0.7	14.3	395	1.91
82020300160	3 x 16	0.7	16.5	590	1.21
82020300250	3 x 25	0.9	19.6	870	0.780
82020300350	3 x 35	0.9	23.3	1438	0.554
82020300500	3 x 50	1.0	27.1	2021	0.386
82020300700	3 x 70	1.1	31.5	2817	0.272
82020300950	3 x 95	1.1	34.9	3601	0.206
82020301200	3 x 120	1.2	39.8	4641	0.161
82020301500	3 x 150	1.4	45.2	5866	0.129
82020301850	3 x 185	1.6	51.4	7313	0.106
82020302400	3 x 240	1.7	56.9	9425	0.0801
82020411-50	4 G 1.5	0.7	9.5	120	13.3
82020412-50	4 G 2.5	0.7	10.8	175	7.98
82020410040	4 G 4	0.7	12.2	245	4.95
82020410060	4 G 6	0.7	13.4	325	3.30
82020410100	4 G 10	0.7	15.7	495	1.91
82020400160	4 x 16	0.7	18.6	760	1.21
82020400250	4 x 25	0.9	22.0	1130	0.780
82020400350	4 x 35	0.9	26.0	1630	0.554
82020400500	4 x 50	1.0	31.0	2320	0.386
82020400700	4 x 70	1.1	36.4	3230	0.272
82020400950	4 x 95	1.1	41.0	4200	0.206
82020401200	4 x 120	1.2	46.0	5310	0.161
82020401500	4 x 150	1.4	50.2	6500	0.129
82020401850	4 x 185	1.6	56.8	8550	0.106
82020402400	4 x 240	1.7	63.3	11100	0.0801
82020511-50	5 G 1.5	0.7	10.5	150	13.3
82020512-50	5 G 2.5	0.7	12.0	205	7.98
82020510040	5 G 4	0.7	13.5	300	4.95
82020510060	5 G 6	0.7	14.9	400	3.30
82020510100	5 G 10	0.7	17.4	610	1.91
82020510160	5 G 16	0.7	20.5	930	1.21
82020510250	5 G 25	0.9	24.3	1380	0.780
82020510350	5 G 35	0.9	28.8	1995	0.554
82020510500	5 G 50	1.0	33.5	3050	0.386
82020510700	5 G 70	1.1	38.9	4484	0.272
82020510950	5 G 95	1.1	43.6	5804	0.206
82020511200	5 G 120	1.2	49.6	7459	0.161
82020511500	5 G 150	1.4	56.2	9396	0.129
82020511850	5 G 185	1.6	63.6	11635	0.106
82020512400	5 G 240	1.7	70.8	15102	0.0801

No. of cores & nominal cross-sectional area	Quantity coil	Quantity pallet
mm ²	m	m
2 x 1.5	100	4,800
2 x 2.5	100	3,600
3 G 1.5	100	4,800
3 G 2.5	100	3,600
3 G 4	100	3,000
4 x/G 1.5	100	4,200
4 x/G 2.5	100	3,600
4 x/G 4	100	3,000
5 G 1.5	100	3,600
5 G 2.5	100	3,000

* Color and packing codes (standard):
 - Black oversheath (92).
 - Drum/cut to length (03) / Coils 100 m (00).

* Short product code. Must be completed with the corresponding characters for 'oversheath colour' and 'packaging'. Check the 'Miguelélez product code' section on our web page, in 'Downloads'.
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 *** Dimensional and weight values are approximate and subject to normal manufacturing tolerances.
 **** It is the sole responsibility of the end user to determine suitability of this product for its intended use and application. Please, consult the regulations, laws or standards that are applicable to each particular case. The installation systems and additional requirements established by any regulation, law and/or standards applicable to each particular case must be met.