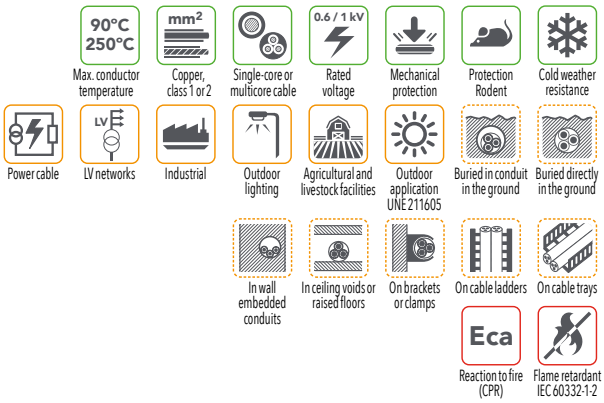
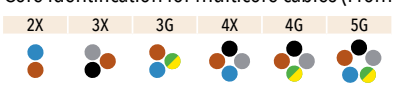
BARRYNAX AR-FLEJE **RVFAV / RVFV 0.6/1 kV**

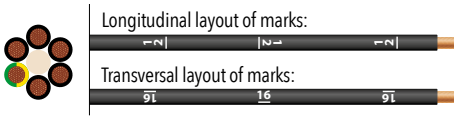
DoP : **ME1000RVFV**. MIGUÉLEZ ARTICLE GROUP 400



- **Standards (construction/tests)**: UNE 21123-2 and IEC 60502-1.
- **Technical designation**: RVFAV 0.6/1 kV (single-core) / RVFV 0.6/1 kV (multicore).
- **Construction**:
  - Conductor: Copper, class 1 (s=1.5 / 2.5 / 4 mm²) or class 2 (s≥6 mm²) (EN 60228 / IEC 60228).
  - Insulation: XLPE (IEC 60502-1) & type DIX 3 (UNE-HD 603-1).
  - Inner Sheath: PVC, type ST2 (IEC 60502-1) & type DMV-18 (UNE-HD 603-1).
  - Armour: Double aluminium tape armour for single-core cable or double steel tape armour for multicore cable (applied helically).
  - Oversheath: PVC, type ST2 (IEC 60502-1) & 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-...-240) mm² / 2X(1.5-...-70) mm² / (3-4-5)X or G(1.5-...-240) mm².
  Multicore cables (N≥6), under request.
- **Reaction to fire classification (CPR - EN 50575 & EN 13501-6)**: E_{ca}.
- **Other fire performance features (when CPR Regulation is not applicable)**: Flame retardant (IEC 60332-1-2).
- **Applications**: Especially suitable for fixed installations that may undergo mechanical aggressions and/or shear stress (e.g. industrial plants, etc.).
  Recommended where rodents may pose a threat to the integrity of the cable (e.g. agricultural or livestock farms, buried LV networks, etc.).
  Suitable for indoor and outdoors installations on brackets, in conduits or directly buried.
  - Temperature ranges:
    - Minimum ambient temperature: −30 °C (permanently installed, static, protected without exposure to movement, mechanical damages, shocks, or vibrations).
    - Maximum ambient temperature: +60 °C.
    - 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., storing it in a heated building) to facilitate handling and reduce the risk of damages.
  - Minimum bending radius: 10 x D. D = overall diameter of the cable in mm.
    Bending nearby the temperature limits should be carried out extra carefully.
  - Maximum pulling force:
    - If the traction force is applied on the copper conductors: F = 50 x S (N). S = cross-sectional area of the conductors (in mm²).
    - If the traction force is applied on the oversheath: F = 3 x D² (N). D = overall diameter of the cable (in 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.
  - Core identification for multicore cables (From 2 to 5): HD 308 S2.



  - Core identification for multiconductor cables (N> 5 cores): EN 50334 (N-1 numbered black cores + G/Y).



- **Packaging**: Drum/cut to length.

* Short product code. Must be completed with the corresponding characters for 'oversheath colour' and 'packaging'. Check the 'Miguélez 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.miguelez.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 20ºC (DC)
	mm²	mm	mm	kg/km	Ω/km
84000100100	1 X 10	0,7	11,5	250	1,83
84000100160	1 X 16	0,7	13,4	344	1,15
84000100250	1 X 25	0,9	14,3	465	0,727
84000100350	1 X 35	0,9	15,5	561	0,524
84000100500	1 X 50	1,0	16,8	704	0,387
84000100700	1 X 70	1,1	18,8	983	0,268
84000100950	1 X 95	1,1	20,3	1183	0,193
84000101200	1 X 120	1,2	22,0	1505	0,153
84000101500	1 X 150	1,4	25,3	1770	0,124
84000101850	1 X 185	1,6	25,7	2095	0,0991
84000102400	1 X 240	1,7	29,2	2707	0,0754
84000103000	1 X 300	1,8	33,6	3340	0,0601
84000201-50	2 X 1,5	0,7	11,5	230	12,1
84000202-50	2 X 2,5	0,7	12,0	250	7,41
84000200040	2 X 4	0,7	13,1	308	4,61
84000200060	2 X 6	0,7	15,0	405	3,08
84000200100	2 X 10	0,7	17,2	554	1,83
84000200160	2 X 16	0,7	19,1	677	1,15
84000200250	2 X 25	0,9	22,0	1100	0,727
84000311-50	3 G 1,5	0,7	11,8	232	12,1
84000301-50	3 X 1,5	0,7	11,8	232	12,1
84000312-50	3 G 2,5	0,7	12,6	290	7,41
84000302-50	3 X 2,5	0,7	12,6	290	7,41
84000300040	3 X 4	0,7	13,8	360	4,61
84000300060	3 X 6	0,7	15,5	475	3,08
84000300100	3 X 10	0,7	17,3	640	1,83
84000300160	3 X 16	0,7	20,5	1059	1,15
84000300250	3 X 25	0,9	22,5	1380	0,727
84000400253	3 X 25 + 1 X 16	0,9 / 0,7	25,3	1456	0,727 / 1,15
84000400353	3 X 35 + 1 X 16	0,9 / 0,7	28,0	1800	0,524 / 1,15
84000400503	3 X 50 + 1 X 25	1,0 / 0,9	32,5	2650	0,387 / 0,727
84000411-50	4 G 1,5	0,7	12,6	240	12,1
84000401-50	4 X 1,5	0,7	12,6	240	12,1
84000412-50	4 G 2,5	0,7	13,4	325	7,41
84000402-50	4 X 2,5	0,7	13,4	325	7,41
84000400040	4 X 4	0,7	14,4	410	4,61
84000400060	4 X 6	0,7	17,0	500	3,08
84000400100	4 X 10	0,7	19,4	799	1,83
84000400160	4 X 16	0,7	23,0	1300	1,15
84000400250	4 X 25	0,9	25,5	1515	0,727
84000400350	4 X 35	0,9	30,0	1945	0,524
84000400500	4 X 50	1,0	33,8	2575	0,387
84000400700	4 X 70	1,1	39,5	3500	0,268
84000400950	4 X 95	1,1	42	5200	0,193
84000511-50	5 G 1,5	0,7	13,5	315	12,1
84000512-50	5 G 2,5	0,7	14,0	363	7,41
84000510040	5 G 4	0,7	16,2	462	4,61
84000510060	5 G 6	0,7	18,5	682	3,08
84000510100	5 G 10	0,7	21,6	966	1,83
84000510160	5 G 16	0,7	24,2	1364	1,15
84000510250	5 G 25	0,9	27,5	1851	0,727
84000701-50	7 X 1,5	0,7	15,0	370	12,1
84000711-50	7 G 1,5	0,7	15,0	370	12,1
84001001-50	10 X 1,5	0,7	17,1	493	12,1
84001011-50	10 G 1,5	0,7	17,1	493	12,1
84001201-50	12 X 1,5	0,7	17,7	562	12,1
84001211-50	12 G 1,5	0,7	17,7	562	12,1

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