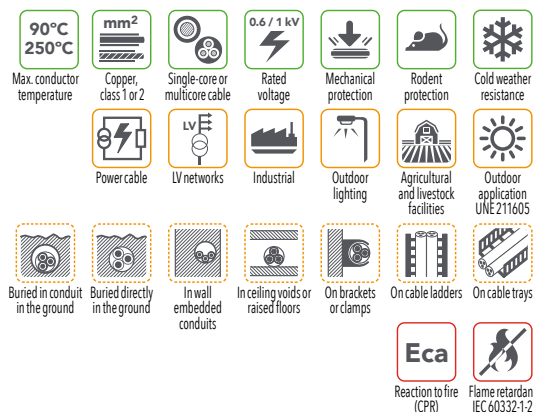


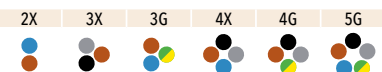
BARRYNAX AR-FLEJE RVFAV / RVFV 0.6/1 kV

DoP : ME100RVFV. MIGUÉLEZ ARTICLE GROUP 400

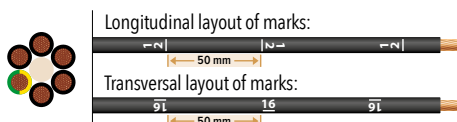


- **Standards (construction/tests):** UNE 21123-2 and IEC 60502-1.
- **Technical designation:** RVFAV 0.6/1 kV (single-core) / RVFV 0.6/1 kV (multicore).
- **Construction:**
  - **Conductor:** Copper, class 1 (s=1.5 / 2.5 / 4 mm<sup>2</sup>) or class 2 (s≥6 mm<sup>2</sup>) (EN IEC 60228 / IEC 60228).
  - **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 aluminum tape armour for single-core cables or double steel tape armour for multicore cables, applied helically (IEC 60502-1 / UNE 21123-2).
  - **Oversheath:** PVC, type ST2 (IEC 60502-1) & type DMV-18 (UNE-HD 603-1).
- **Rated voltage (U<sub>0</sub>/U):** 0.6/1 kVAC.
- **Max. conductor temperature. Normal operation / short-circuit (t≤5s):** 90 °C / 250 °C.
- **Range:** Single-core or multicore cable.  
**Configurations:** 1X(10...-300) mm<sup>2</sup> / (2-3-4-5)X/G(1,5...-240) mm<sup>2</sup>.  
*Multicore cables [(6...-61)X/G1,5 mm<sup>2</sup> / (6...-61)X/G2,5 mm<sup>2</sup> / (6...-12)X/G4 mm<sup>2</sup>] under request.*
- **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 for fixed installations that require protection against mechanical stress and/or shear forces (e.g., industrial plants). Recommended where rodents may threaten cable integrity (e.g., agricultural or livestock farms, buried low-voltage (LV) networks). Suitable for indoor and outdoor installations on supports or brackets, in conduits, or directly buried.
  - **Temperature ranges:**
    - Minimum ambient temperature: -30 °C (permanently installed in its final position, static, and protected from exposure to movement, mechanical damage, impacts, 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.  
Whenever possible, it's recommended to raise the cable's temperature before laying it to facilitate handling and reduce the risk of damage (e.g., by storing it in a heated room or building for a reasonable period). External heat sources should not be applied directly to the cable's oversheath.
  - **Minimum bending radius:** 10 x D. D = overall diameter of the cable in mm.  
Bending near the temperature limits should be performed with extra care.
  - **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 mm<sup>2</sup>).
    - If the traction force is applied on the oversheath: F = 3 x D<sup>2</sup> (N). D = overall diameter of the cable (in mm).  
The pulling force must never be exerted directly on the cable's armour.  
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 (Miguélez code = 92)
- 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 (Miguélez code = 03).

\* 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.miguellez.com](http://www.miguellez.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 <sup>2</sup>	mm	mm	kg/km	Ω/km
84000100100	1X10	0.7	11.5	250	1.83
84000100160	1X16	0.7	13.4	344	1.15
84000100250	1X25	0.9	14.3	465	0.727
84000100350	1X35	0.9	15.5	561	0.524
84000100500	1X50	1.0	16.8	704	0.387
84000100700	1X70	1.1	18.8	983	0.268
84000100950	1X95	1.1	20.3	1183	0.193
84000101200	1X120	1.2	22.0	1505	0.153
84000101500	1X150	1.4	25.3	1770	0.124
84000101850	1X185	1.6	25.7	2095	0.0991
84000102400	1X240	1.7	29.2	2707	0.0754
84000103000	1X300	1.8	33.6	3340	0.0601
84000201-50	2X1.5	0.7	11.5	230	12.1
84000202-50	2X2.5	0.7	12.0	250	7.41
84000200040	2X4	0.7	13.1	308	4.61
84000200060	2X6	0.7	15.0	405	3.08
84000200100	2X10	0.7	17.2	554	1.83
84000200160	2X16	0.7	19.1	677	1.15
84000200250	2X25	0.9	22.0	1100	0.727
84000311-50	3G1.5	0.7	11.8	232	12.1
84000301-50	3X1.5	0.7	11.8	232	12.1
84000312-50	3G2.5	0.7	12.6	290	7.41
84000302-50	3X2.5	0.7	12.6	290	7.41
84000300040	3X4	0.7	13.8	360	4.61
84000300060	3X6	0.7	15.5	475	3.08
84000300100	3X10	0.7	17.3	640	1.83
84000300160	3X16	0.7	20.5	1059	1.15
84000300250	3X25	0.9	22.5	1380	0.727
84000300350	3X35	0.9	27.1	1696	0.524
84000300500	3X50	1.0	30.0	2250	0.387
84000400253	3X25 + 1X16	0.9/0.7	25.3	1456	0.727/1.15
84000400353	3X35 + 1X16	0.9/0.7	28.0	1800	0.524/1.15
84000400503	3X50 + 1X25	1.0/0.9	32.5	2650	0.387/0.727

Code*	No. of cores & nominal cross-sectional area	Insulation thickness	Overall diameter	Total weight	Maximum electrical resistance at 20°C (DC)
	mm <sup>2</sup>	mm	mm	kg/km	Ω/km
84000411-50	4G1.5	0.7	12.6	240	12.1
84000401-50	4X1.5	0.7	12.6	240	12.1
84000412-50	4G2.5	0.7	13.4	325	7.41
84000402-50	4X2.5	0.7	13.4	325	7.41
84000400040	4X4	0.7	14.4	410	4.61
84000400060	4X6	0.7	17.0	500	3.08
84000400100	4X10	0.7	19.4	799	1.83
84000400160	4X16	0.7	23.0	1300	1.15
84000400250	4X25	0.9	25.5	1515	0.727
84000400350	4X35	0.9	30.0	1945	0.524
84000400500	4X50	1.0	33.8	2575	0.387
84000400700	4X70	1.1	39.5	3500	0.268
84000400950	4X95	1.1	42.0	5200	0.193
84000401200	4X120	1.2	45.0	6346	0.153
84000401500	4X150	1.4	50.0	7754	0.124
84000511-50	5G1.5	0.7	13.5	315	12.1
84000512-50	5G2.5	0.7	14.0	363	7.41
84000510040	5G4	0.7	16.2	462	4.61
84000510060	5G6	0.7	18.5	682	3.08
84000510100	5G10	0.7	21.6	966	1.83
84000510160	5G16	0.7	24.2	1364	1.15
84000510250	5G25	0.9	27.5	1851	0.727
84000510350	5G35	0.9	33.0	2444	0.524
84000701-50	7X1.5	0.7	15.0	370	12.1
84000711-50	7G1.5	0.7	15.0	370	12.1
84001001-50	10X1.5	0.7	17.1	493	12.1
84001011-50	10G1.5	0.7	17.1	493	12.1
84001201-50	12X1.5	0.7	17.7	562	12.1
84001211-50	12G1.5	0.7	17.7	562	12.1

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