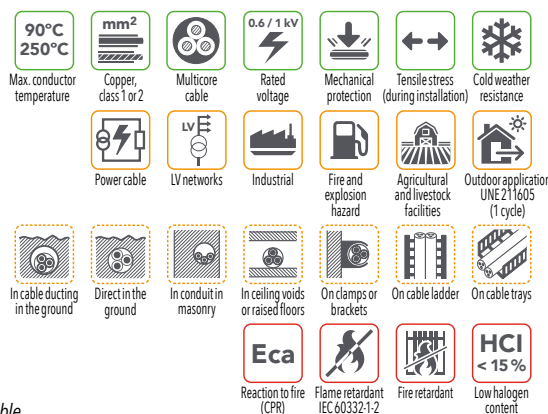


BARRYNAX AR-CORONA RVMV 0.6/1 kV

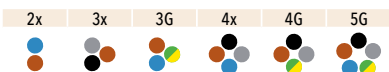
DoP : ME1000RVMV. MIGUÉLEZ ARTICLE GROUP 402



- Standards (construction/tests): IEC 60502-1 and UNE 21123-2.
- Technical designation: RVMV 0.6/1 kV.
- Construction:
 - Conductor: Copper, class 1 ($s=1.5 / 2.5 / 4 \text{ mm}^2$) or class 2 ($s \geq 6 \text{ mm}^2$) (EN 60228 / 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.
 - Inner Sheath: Polyvinyl chloride (PVC). PVC type ST2 (IEC 60502-1) & PVC type DMV-18 (UNE-HD 603-1).
 - Armour: Galvanised steel wires.
 - 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 ($t \leq 5s$): 90°C / 250°C.
- Range: Multicore cable.
 Configurations: 2x / 3x / 3G / 4x / 4G (1,5...-120) mm^2 / 5G (1,5...-70) mm^2 .
 Multicore cable with more than 5 cores and $S=1,5/2,5/4 \text{ mm}^2$.
- Reaction to fire classification (CPR - EN 50575 & EN 13501-6): Eca ($14 \leq \delta \leq 50 \text{ mm}$).
- Other fire performance features (when CPR Regulation is not applicable): Flame & fire retardant (IEC 60332-1-2 & IEC 60332-3-24).
- Applications: Especially suitable for fixed installations that may undergo mechanical aggressions. Recommended for industrial plants, locations with explosion or fire hazards (petrochemical plants, flammable product warehouses, petrol or gas stations...) or agricultural/livestock farms.
 Suitable for indoor and outdoor installations, on supports in the air, in conduits or buried.
 In the case the cable is installed on cable brackets, clamps 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 (e.g. cable trays or ladders). The maximal distance between supports will never be greater than 80 cm under any circumstances.
 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.
- Ambient operating temperature, ranges:
 - Minimum: -30°C (static - without exposure to movement, mechanical damages, shocks, or vibrations).
 - Maximum: +60°C.
- Minimum temperature for cable laying during installation and assembly of accessories: 0°C
 Under normal conditions of care. 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: $10 \times D$. $D = \text{overall diameter of the cable in mm}$.
 Bending nearby the temperature limits should be carried out extra carefully.
- Maximum pulling force:
 - If the traction force is applied on the copper conductors: $F = 50 \times S \text{ (N)}$. $S = \text{cross-sectional area of the conductors (in mm}^2\text{)}$.
 - If the traction force is applied on the oversheath: $F = 5 \times D^2 \text{ (N)}$. $D = \text{overall diameter of the cable (in mm)}$.
 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.

NOTE: A hydrocarbons resistant (UIC 895 OR) version is available, under request and minimum order quantities.

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



- Packaging: Drum/cut to length.

* 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				
84020201-50	2 x 1,5	0,7	12,9	292	12,1
84020202-50	2 x 2,5	0,7	13,1	335	7,41
84020200040	2 x 4	0,7	14,4	393	4,61
84020200060	2 x 6	0,7	15,7	491	3,08
84020200100	2 x 10	0,7	17,2	623	1,83
84020200160	2 x 16	0,7	19,1	799	1,15
84020200250	2 x 25	0,9	23,7	1439	0,727
84020311-50	3 G 1,5	0,7	13,5	328	12,1
84020312-50	3 G 2,5	0,7	14,3	384	7,41
84020310040	3 G 4	0,7	15,1	464	4,61
84020310060	3 G 6	0,7	16,4	591	3,08
84020310100	3 G 10	0,7	18,5	775	1,83
84020300160	3 x 16	0,7	22,0	1322	1,15
84020300250	3 x 25	0,9	25,3	1796	0,727
84020411-50	4 G 1,5	0,7	14,0	375	12,1
84020412-50	4 G 2,5	0,7	14,5	450	7,41
84020400040	4 x 4	0,7	16,0	540	4,61
84020400060	4 x 6	0,7	17,5	705	3,08
84020400100	4 x 10	0,7	19,4	921	1,83
84020400160	4 x 16	0,7	24,0	1560	1,15
84020400250	4 x 25	0,9	26,8	2155	0,727
84020400350	4 x 35	0,9	33,7	2750	0,524
84020400500	4 x 50	1,0	35,0	3685	0,387
84020400700	4 x 70	1,1	39,9	4877	0,268
84020400950	4 x 95	1,1	43,5	6260	0,193
84020401200	4 x 120	1,2	48,6	8066	0,153
84020511-50	5 G 1,5	0,7	14,6	420	12,1
84020512-50	5 G 2,5	0,7	15,2	507	7,41
84020510040	5 G 4	0,7	16,2	627	4,61
84020510060	5 G 6	0,7	18,5	817	3,08
84020510100	5 G 10	0,7	22,3	1420	1,83
84020510160	5 G 16	0,7	25,2	1831	1,15
84020510250	5 G 25	0,9	29,3	2050	0,727

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