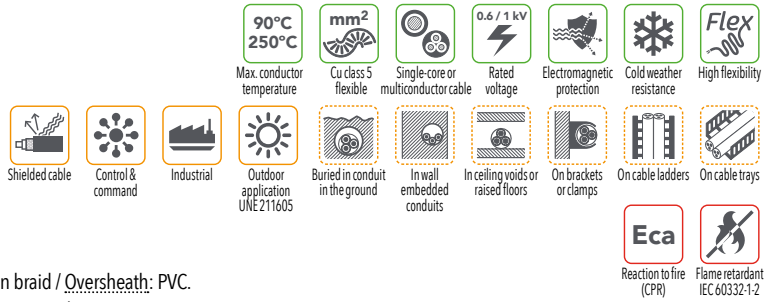


BARRYFLEX SHIELD RC4V-K 0.6/1 kV

DoP: ME1000RC4VK. MIGUÉLEZ ARTICLE GROUP 213



- Standards (construction/tests): UNE 21123-2 and IEC 60502-1.
- Technical designation: RC4V-K 0.6/1 kV.
- Construction: Conductor: Copper, class 5 / Insulation: XLPE / Shield: Al/PET tape + Cu Sn braid / Oversheath: PVC. 100% shield coverage (Cu Sn braid > 65%). Other shield constructions or materials under request.
- 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 multiconductor cable. Configurations: 1x(1.5...185) mm² / 2x(1.5...50) mm² / 3x or G(1.5...35) mm² / (4-5)x or G(1.5...25) mm² / (6...27)G1.5 mm² / (6...27)G2.5 mm². Multiconductor cable from 6 to 20. Cross-sectional area = 1.5 / 2.5 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****: Shielded cable suitable for fixed installations that require electromagnetic protection. Especially designed to be used as a power, command or control cable in industrial plants (s≤10 mm² VFD, solenoid valves, regulation...). Perfect for protecting the cable, nearby signal cables or electronic devices against possible disturbances and interferences. Suitable for indoor and outdoor (protected from direct UV radiation) installations, on supports (brackets, clamps, cable trays or ladders), in conduits or buried in conduit.
 - Ambient operating temperature (ranges):
 - Minimum: -30 °C (static - without exposure to movement, mechanical damages, shocks, or vibrations).
 - Maximum: +50 °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., storing the cable in a heated room), in order 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 = 50xS** (N). "S" = cross sectional area of conductors (mm²).
 - If the traction force is applied on the oversheath: **F = 3xD²** (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 (if needed). Special attention shall be paid to the required minimum bending radius.

– Ambient operating temperature (ranges):

- Minimum: -30 °C (static - without exposure to movement, mechanical damages, shocks, or vibrations).
- Maximum: +50 °C.

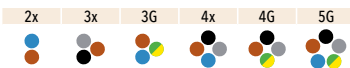
– Minimum temperature for cable laying during installation and assembly of accessories: 0 °C. Under normal conditions of care. This temperature is valid for the cable itself and not for the environment. If possible, the temperature of the cable shall be raised before laying (e.g., storing the cable in a heated room), in order 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.

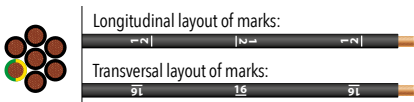
– Maximum pulling force:

- If the traction force is applied on the copper conductors: **F = 50xS** (N). "S" = cross sectional area of conductors (mm²).
 - If the traction force is applied on the oversheath: **F = 3xD²** (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 (if needed). 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.



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



- Packaging: Drum/cut to length (03).

Code*	No. of cores & nominal cross-sectional area	Insulation thickness	Overall diameter	Total weight	Maximum electrical resistance at 20°C (DC)
82130100160	1 x 16	0,7	10,2	205	1,21
82130100250	1 x 25	0,9	11,7	285	0,780
82130100350	1 x 35	0,9	13,0	380	0,554
82130100500	1 x 50	1	14,8	545	0,386
82130100700	1 x 70	1,1	16,7	745	0,272
82130100950	1 x 95	1,1	18,2	960	0,206
82130101200	1 x 120	1,2	20,4	1185	0,161
82130101500	1 x 150	1,4	22,4	1495	0,129
82130101850	1 x 185	1,6	24,7	1790	0,106
82130201-50	2 x 1,5	0,7	9,2	113	13,3
82130202-50	2 x 2,5	0,7	10,0	142	7,98
82130200040	2 x 4	0,7	11,2	185	4,95
82130200060	2 x 6	0,7	12,2	239	3,30
82130200100	2 x 10	0,7	14,0	355	1,91
82130200160	2 x 16	0,7	16,2	484	1,21
82130200250	2 x 25	0,9	19,2	708	0,780
82130311-50	3 G 1,5	0,7	9,7	126	13,3
82130312-50	3 G 2,5	0,7	10,5	165	7,98
82130310040	3 G 4	0,7	11,8	219	4,95
82130310060	3 G 6	0,7	12,9	290	3,30
82130310100	3 G 10	0,7	14,8	439	1,91
82130300160	3 x 16	0,7	17,2	625	1,21
82130300250	3 x 25	0,9	20,4	916	0,780
82130411-50	4 G 1,5	0,7	10,4	146	13,3
82130412-50	4 G 2,5	0,7	11,4	200	7,98
82130410040	4 G 4	0,7	12,8	271	4,95
82130410060	4 G 6	0,7	14,0	363	3,30
82130400100	4 x 10	0,7	16,2	549	1,91
82130400160	4 x 16	0,7	18,9	792	1,21
82130400250	4 x 25	0,9	22,5	1175	0,780
82130511-50	5 G 1,5	0,7	11,3	175	13,3
82130512-50	5 G 2,5	0,7	12,4	236	7,98
82130510040	5 G 4	0,7	14,0	324	4,95
82130510060	5 G 6	0,7	15,3	437	3,30
82130510100	5 G 10	0,7	17,8	675	1,91
82130510160	5 G 16	0,7	20,7	972	1,21
82130510250	5 G 25	0,9	24,8	1476	0,780
82130711-50	7 G 1,5	0,7	12,1	238	13,3
82130712-50	7 G 2,5	0,7	13,3	301	7,98
82131011-50	10 G 1,5	0,7	15,0	309	13,3
82131012-50	10 G 2,5	0,7	16,6	378	7,98
82131411-50	14 G 1,5	0,7	16,5	432	13,3
82131412-50	14 G 2,5	0,7	18,3	508	7,98
82131911-50	19 G 1,5	0,7	18,6	538	13,3
82131912-50	19 G 2,5	0,7	20,7	681	7,98
82132411-50	24 G 1,5	0,7	20,5	628	13,3
82132412-50	24 G 2,5	0,7	22,7	789	7,98

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

* 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.

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