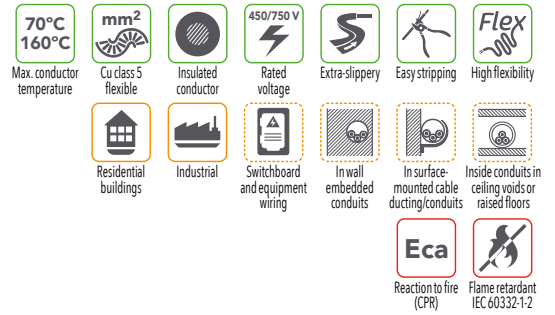


**BARRYFLEX H07V-K**

DoP : MEH07VK. MIGUÉLEZ ARTICLE GROUP 200



- Standards (construction/tests): EN 50525-2-31 and IEC 60227-3.
  - Technical designation: H07V-K (60227 IEC 02).
  - Construction:
    - Conductor: Copper, class 5 (EN 60228 / IEC 60228).
    - Insulation: PVC, type T1 1 (EN 50363-3) & type PVC/C (IEC 60227-1).
  - Rated voltage (Uo/U): 450/750 V AC.
  - Max. conductor temperature. Normal operation / short-circuit (t≤5s): 70 °C / 160 °C.
  - Range: Single-conductor. Cross-sectional area: From 1.5 to 240 mm<sup>2</sup>.
  - 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: Cable for general applications in offices, residential and industrial premises. It is recommended for fixed installations with complex paths where its flexibility allows an easier installation. Installation in surface-mounted or embedded conduits (or similar closed systems). It is also suitable for internal wiring of switchboards, panels and electrical devices. It is recommended for fixed and protected installation in lighting and control gear for voltages up to and including 1.000 VAC or up to 750 VDC to earth.
- Temperature ranges:
- Maximum cable surface temperature: +70 °C
  - Maximum storage temperature: +40 °C.
  - Minimum ambient temperature: –30 °C (static, permanently installed, protected, without exposure to movement, mechanical damages, shocks, or vibrations).
  - Minimum installation and handling temperature: +5 °C.
- Minimum bending radius at 20 °C ± 10 °C (mm): 4xD (D≤8); 5xD (8<D≤12); 6xD (D>12).  
D = cable overall diameter (mm).
- Maximum pulling tension during installation and handling: Applied on copper conductors **F = 50xS (N)**. Max. 1000 N.  
"S" = cross-sectional area of cores (mm<sup>2</sup>).
- Packaging: Coils (100, 200 m) and Drum/cut to length (s>10 mm<sup>2</sup>).

Code*	Nominal cross-sectional area	Insulation thickness	Overall diameter	Total weight	Maximum electrical resistance at 20°C (DC)	Max. current-carrying capacity 40°C (1)	Max. current-carrying capacity 40°C (2)	Available colours (3)
	mm <sup>2</sup>							
8200010150	1 x 1.5	0.7	2.9	19	13.3	14.5	13.5	Blue, Y/G, brown, black, grey, red and white
8200010250	1 x 2.5	0.8	3.9	30	7.98	20	18	Blue, Y/G, brown, black, grey, red and white
82000100040	1 x 4	0.8	4.2	44	4.95	26	24	Blue, Y/G, brown, black, grey, red and white
82000100060	1 x 6	0.8	4.7	62	3.30	34	31	Blue, Y/G, brown, black and grey
82000100100	1 x 10	1.0	6.0	106	1.91	46	43	Blue, Y/G, brown, black and grey
82000100160	1 x 16	1.0	7.1	166	1.21	63	59	Blue, Y/G, brown, black and grey
82000100250	1 x 25	1.2	8.6	247	0.780	82	77	Blue, Y/G, brown, black and grey
82000100350	1 x 35	1.2	10.1	340	0.554	101	95	Blue, Y/G, brown, black and grey
82000100500	1 x 50	1.4	12.1	483	0.386	122	116	Blue, Y/G, brown, black and grey
82000100700	1 x 70	1.4	13.5	665	0.272	155	148	Blue, Y/G, brown, black and grey
82000100950	1 x 95	1.6	15.5	878	0.206	187	180	Blue, Y/G, brown, black and grey
82000101200	1 x 120	1.6	17.0	1100	0.161	216	207	Blue, Y/G, brown, black and grey
82000101500	1 x 150	1.8	19.0	1370	0.129	247	228	Blue, Y/G, brown, black and grey
82000101850	1 x 185	2.0	21.6	1695	0.106	281	258	Blue, Y/G, brown, black and grey
82000102400	1 x 240	2.2	24.2	2240	0.0801	330	301	Blue, Y/G, brown, black and grey

(1) B1 reference method acc. to HD 60364-5-52. Single-phase circuit. Single loaded circuit.  
(2) B1 reference method acc. to HD 60364-5-52. Three-phase circuit. Single loaded circuit.

(3) For other colours, contact our sales department.

Nominal cross-sectional area	Quantity coil	Quantity package	Quantity pallet
mm <sup>2</sup>	m	m	m
1 x 1.5	200	1,000	30,000
1 x 1.5	100	500	30,000
1 x 2.5	200	600	18,000
1 x 2.5	100	500	30,000
1 x 4	100	400	18,000
1 x 6	100	300	13,500
1 x 10	100	100	7,200
1 x 16	100	100	6,000
1 x 25	100	100	4,200
1 x 35	100	100	3,000

\* 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](http://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.