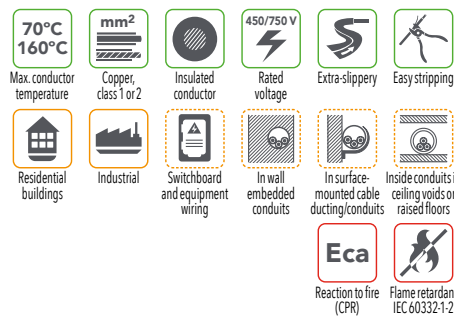


BARRY H07V-U & H07V-R

DoP: MEH07VU or MEH07VR. MIGUÉLEZ ARTICLE GROUP 100



- Standards (construction/tests): EN 50525-2-31 and IEC 60227-3.
- Technical designation: H07V-U or H07V-R (60227 IEC 01).
- Construction: H07V-U (s=1.5 / 2.5 / 4 mm²) / H07V-R (s≥6 mm²).
 - Conductor: Copper, class 1 (s=1.5 / 2.5 / 4 mm²) or class 2 (s≥6 mm²) (EN 60228 / IEC 60228).
 - Insulation: PVC, type TI 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 mm².
- Reaction to fire classification (CPR - EN 50575 & EN 13501-6): Eca (from 1.5 to 150 mm²).
- Other fire performance features (when CPR Regulation is not applicable): Flame retardant (IEC 60332-1-2).
- Applications: Fixed installation. Cable for general applications in offices, residential and industrial premises. 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 V AC or up to 750 V DC 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 (mm²).

- Packaging: Coils (100 m) and Drum/cut to length (s>10 mm²).

Code*	Cable type	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)
81000101-50	H07V-U	1 x 1.5	0.7	2.8	20	12.1	14.5	13.5	Blue, Y/G, brown, black, grey, red and white
81000102-50	H07V-U	1 x 2.5	0.8	3.4	30	7.41	20	18	Blue, Y/G, brown, black, grey, red and white
81000100040	H07V-U	1 x 4	0.8	3.8	46	4.61	26	24	Blue, Y/G, brown, black, grey, red and white
81000100060	H07V-R	1 x 6	0.8	4.6	66	3.08	34	31	Blue, Y/G, brown, black and grey
81000100100	H07V-R	1 x 10	1.0	5.8	113	1.83	46	43	Blue, Y/G, brown, black and grey
81000100160	H07V-R	1 x 16	1.0	6.9	170	1.15	63	59	Blue, Y/G, brown, black and grey
81000100250	H07V-R	1 x 25	1.2	8.3	256	0.727	82	77	Blue, Y/G, brown, black and grey
81000100350	H07V-R	1 x 35	1.2	9.6	350	0.524	101	95	Blue, Y/G, brown, black and grey
81000100500	H07V-R	1 x 50	1.4	11.1	484	0.387	122	116	Blue, Y/G, brown, black and grey
81000100700	H07V-R	1 x 70	1.4	12.9	660	0.268	155	148	Blue, Y/G, brown, black and grey
81000100950	H07V-R	1 x 95	1.6	14.7	934	0.193	187	180	Blue, Y/G, brown, black and grey
81000101200	H07V-R	1 x 120	1.6	16.3	1160	0.153	216	207	Blue, Y/G, brown, black and grey
81000101500	H07V-R	1 x 150	1.8	18.3	1375	0.124	247	228	Blue, Y/G, brown, black and grey
81000101850	H07V-R	1 x 185	2.0	21.7	1700	0.0991	281	258	Blue, Y/G, brown, black and grey
81000102400	H07V-R	1 x 240	2.2	24.3	2250	0.0754	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.

Code	Cable type	Nominal cross-sectional area	Quantity coil	Quantity package	Quantity pallet	MIGUÉLEZ packaging code
81000101-50	H07V-U	1 x 1.5	200	1,000	30,000	08
81000101-50	H07V-U	1 x 1.5	100	500	30,000	00
81000102-50	H07V-U	1 x 2.5	200	600	27,000	08
81000102-50	H07V-U	1 x 2.5	100	500	30,000	00
81000100040	H07V-U	1 x 4	100	400	18,000	00
81000100060	H07V-R	1 x 6	100	300	13,500	00
81000100100	H07V-R	1 x 10	100	100	7,200	00
81000100160	H07V-R	1 x 16	100	100	6,000	00
81000100250	H07V-R	1 x 25	100	100	4,200	00
81000100350	H07V-R	1 x 35	100	100	3,000	00

* 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

**** 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.