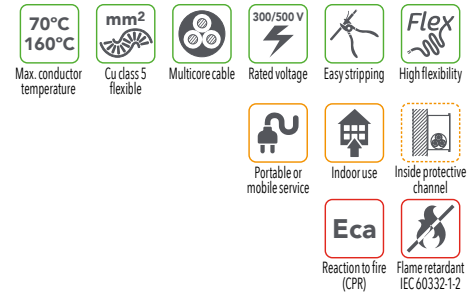
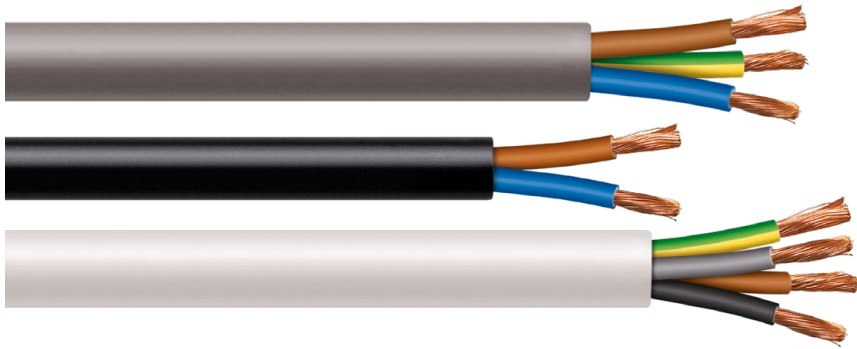


**BARRYFLEX-MAN H05VV-F**

DoP : ME05VVF. MIGUÉLEZ ARTICLE GROUP 201



- **Standards (construction/tests):** EN 50525-2-11 and IEC 60227-5.
- **Technical designation:** H05VV-F.
- **Construction:**
  - **Conductor:** Copper, class 5, flexible, suitable for mobile & portable service (EN 60228 / IEC 60228).
  - **Insulation:** PVC, type TI 2 (EN 50363-3).
  - **Oversheath:** PVC, type TM 2 (EN 50363-4-1).
- **Rated voltage (Uo/U):** 300/500 V AC.
- **Max. conductor temperature. Normal operation / short-circuit (t≤5s):** 60 °C / 150 °C (70 °C / 160 °C).  
*Maximum conductor temperatures of 70 °C / 160 °C are valid when the cable is used inside equipment, or it can be guaranteed that there will be no contact with the skin.*
- **Range:** Multicore cable (2, 3, 4 or 5). Cross-sectional area: 0.75 / 1 / 1.5 / 2.5 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 suitable for mobile or portable application in indoor installations. Especially designed for the connection of appliances (e.g. vacuum cleaners, washing machines, centrifuges and refrigerators) in houses, kitchens, offices and even damp premises. Suitable for mobile or portable service with moderate mechanical stresses (Duty: Ordinary). It can also be used in conduits or similar closed systems for fixed installation. Behavior against external influences:
  - Presence of water: AD2. Free falling drops. Probability of drops falling vertically.
  - Presence of corrosive or polluting substances: AF3. Intermittent or accidental subjection to corrosive or polluting substances.
  - Mechanical resistance to impacts: AG1. Low.
  - For indoor use. Use outdoors for temporary periods of short duration (AN1).
  - Suitable for frequent flexing.

**Temperature ranges:**

- Maximum cable surface temperature: +50 °C (skin contact should be avoided when operating these cables unless calculations show that the surface temperature does not exceed 50 °C).
- Maximum storage temperature: +40 °C.
- Minimum installation and handling temperature: +5 °C.

**Minimum bending radius at 20 °C ± 10 °C (mm):**

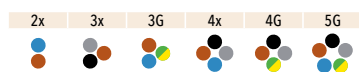
- Fixed installation: 3xD (D≤12); 4xD (D>12).
  - Free movement: 5xD (D≤12); 6xD (D>12).
  - At inlet of portable appliance or mobile equipment with no mechanical load on the cable: 5xD (D≤12); 6xD (D>12).
- D = cable overall diameter (mm).

**Maximum pulling tension: F = 15xS (N).**

"S" = cross sectional area of cores (mm<sup>2</sup>). Applied on copper conductors, under static tensile stress.

- **Identification:** Oversheath colour → Black, white or grey.

**Core identification:** HD 308 S2 and UNE 21089-1.



- **Packaging:** Coils (100 m) and Drum/cut to length.

Code*	No. of cores & nominal cross-sectional area	Insulation thickness	Overall diameter	Total weight	Maximum electrical resistance at 20°C (DC)	Current rating EN 50565-1 Ambient temperature: 30 °C
	mm <sup>2</sup>	mm	mm	kg/km	Ω/km	A
8201020-750	2 x 0.75	0.6	6.1	55	26	6
82010200010	2 x 1	0.6	6.5	60	19.5	10
82010201-50	2 x 1.5	0.7	7.5	80	13.3	16
82010202-50	2 x 2.5	0.8	9.0	119	7.98	25
82010200040	2 x 4	0.8	10.4	160	4.95	32
8201031-750	3 G 0.75	0.6	6.5	65	26	6
82010310010	3 G 1	0.6	7.0	74	19.5	10
82010311-50	3 G 1.5	0.7	8.1	101	13.3	16
82010312-50	3 G 2.5	0.8	10.0	155	7.98	25
82010310040	3 G 4	0.8	11.3	250	4.95	32
8201041-750	4 G 0.75	0.6	7.2	79	26	6
82010410010	4 G 1	0.6	7.9	94	19.5	10
82010411-50	4 G 1.5	0.7	9.3	131	13.3	16
82010412-50	4 G 2.5	0.8	10.8	185	7.98	20
82010410040	4 G 4	0.8	12.4	260	4.95	25
8201051-750	5 G 0.75	0.6	8.2	95	26	6
82010510010	5 G 1	0.6	8.6	120	19.5	10
82010511-50	5 G 1.5	0.7	10.2	164	13.3	16
82010512-50	5 G 2.5	0.8	12.1	232	7.98	20

\* 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.