

**AFIRENAS-L EXTRA H07Z1-K TYPE 2 (AS)**

DoP : **MB2H07Z1KTYPE2**. **MIGUÉLEZ ARTICLE GROUP 204**



- **Standards (construction/tests):** EN 50525-3-31 and UNE 211002.
- **Technical designation:** H07Z1-K TYPE 2 (AS) Cu Sn.
- **Construction:**
  - **Conductor:** Tinned copper, class 5 (EN 60228 / IEC 60228).
  - **Insulation:** Thermoplastic polyolefin LSZH, type TI 7 (EN 50363-7). UV resistant (EN 50618).
- **Rated voltage (Uo/U):** 450/750 VAC.  
Maximum permanent permitted operating voltage: 480/825 VAC & 620/1240 VDC.
- **Max. conductor temperature. Normal operation / short-circuit (t≤5s):** 70 °C / 160 °C.
- **Range:** Single-conductor. **Cross-sectional area:** From 4 to 50 mm<sup>2</sup>.
- **Reaction to fire classification (Construction Products Regulation):** B2ca-s1a,d1,a1.

- **Other fire performance features (when CPR Regulation is not applicable):** Flame & fire retardant, halogen-free and low gas and smoke emission with low opacity/toxicity/corrosivity/conductivity (IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2 and IEC 61034-2).
- **Applications:** Fixed installation. Specially designed for use as a protective conductor in photovoltaic installations, panel wiring, and electrical equipment, as well as in public access premises (hospitals, airports, malls and shopping centers, cinemas, schools...), tunnels, high-rise buildings, and any other installation that requires special behaviour in the event of a fire.

Installation in surface-mounted or embedded conduits (or similar closed systems). It is also suitable for internal wiring of switchboards, panels and electrical devices.

**UV-resistant** (according to Annex E of standard EN 50618).

- 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.

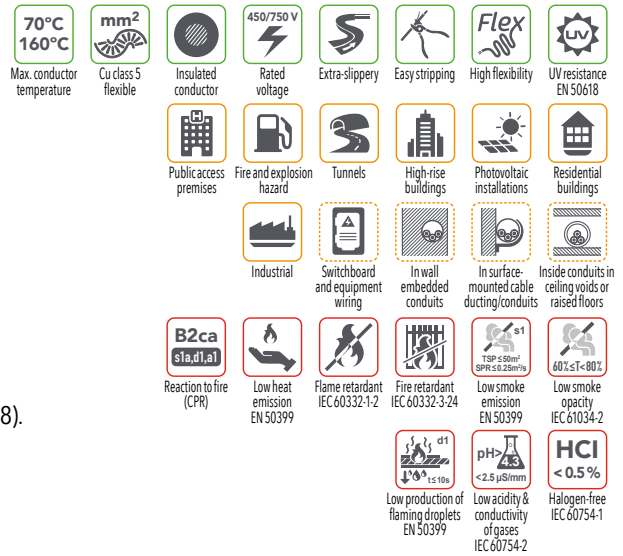
**Minimum bending radius at 20 °C ± 10 °C (mm):** 5xD.

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 m) and Drum/cut to length.



Code*	Nominal cross-sectional area	Insulation thickness	Overall diameter	Total weight	Maximum electrical resistance at 20°C (DC)	Available colours (3)
	mm <sup>2</sup>	mm	mm	kg/km	Ω/km	
8204010004186	1 X 4	0,8	4,2	45	5,09	Yellow/green (86)
8204010006186	1 X 6	0,8	4,7	64	3,39	Yellow/green (86)
8204010010186	1 X 10	1,0	6,0	108	1,95	Yellow/green (86)
8204010016186	1 X 16	1,0	7,1	160	1,24	Yellow/green (86)
8204010025186	1 X 25	1,2	8,7	248	0,795	Yellow/green (86)
8204010035186	1 X 35	1,2	10,0	338	0,565	Yellow/green (86)
8204010050186	1 X 50	1,4	11,8	482	0,393	Yellow/green (86)

Nominal cross-sectional area	Quantity coil	Quantity package	Quantity pallet
mm <sup>2</sup>	m	m	m
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

(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.

\* 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.