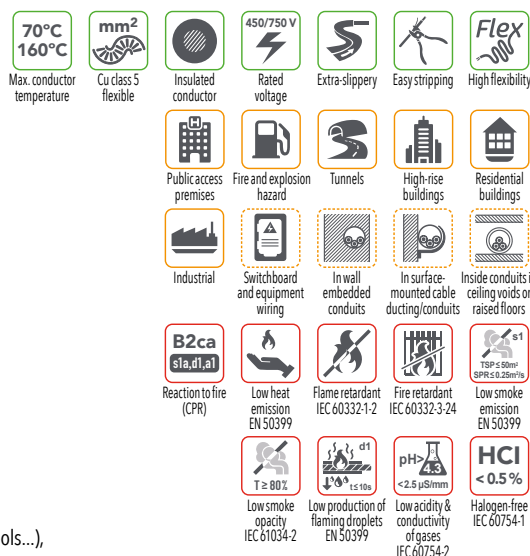


AFIRENAS-L H07Z1-K TYPE 2 (AS)

DoP : MB2H07Z1KTYPE2. MIGUÉLEZ ARTICLE GROUP 204



- Standards (construction/tests): EN 50525-3-31 and UNE 211002.
- Technical designation: H07Z1-KTYPE 2 (AS).
- Construction:
  - Conductor: Copper, class 5 (EN 60228 / IEC 60228).
  - Insulation: Thermoplastic polyolefin LSZH, type T1 7 (EN 50363-7).
- 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 (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: Especially designed for general wiring in public access premises (hospitals, airports, malls, cinemas, schools...), high-rise buildings, tunnels and any other installation that requires special behaviour in case of 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.

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>							
82040101-50	1 x 1.5	0.7	3.0	19	13.3	14.5	13.5	Blue, Y/G, brown, black, grey, red and white
82040102-50	1 x 2.5	0.8	3.7	31	7.98	20	18	Blue, Y/G, brown, black, grey, red and white
82040100040	1 x 4	0.8	4.2	45	4.95	26	24	Blue, Y/G, brown, black, grey, red and white
82040100060	1 x 6	0.8	4.7	64	3.30	34	31	Blue, Y/G, brown, black and grey
82040100100	1 x 10	1.0	6.0	108	1.91	46	43	Blue, Y/G, brown, black and grey
82040100160	1 x 16	1.0	7.1	160	1.21	63	59	Blue, Y/G, brown, black and grey
82040100250	1 x 25	1.2	8.7	248	0.780	82	77	Blue, Y/G, brown, black and grey
82040100350	1 x 35	1.2	10.0	338	0.554	101	95	Blue, Y/G, brown, black and grey
82040100500	1 x 50	1.4	11.8	482	0.386	122	116	Blue, Y/G, brown, black and grey
82040100700	1 x 70	1.4	13.7	670	0.272	155	148	Blue, Y/G, brown, black and grey
82040100950	1 x 95	1.6	15.7	901	0.206	187	180	Blue, Y/G, brown, black and grey
82040101200	1 x 120	1.6	17.0	1112	0.161	216	207	Blue, Y/G, brown, black and grey
82040101500	1 x 150	1.8	19.2	1387	0.129	247	228	Blue, Y/G, brown, black and grey
82040101850	1 x 185	2.0	21.8	1700	0.106	281	258	Blue, Y/G, brown, black and grey
82040102400	1 x 240	2.2	24.4	2248	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	22,500
1 x 4	100	400	18,000
1 x 6	100	300	13,500

\* 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.