

# VARPREN® H05Z-K and H07Z-K USE <HAR> Approval -15 °C to +90 °C



## Approvals - standards

- USE <HAR> Approval as per NF EN 50525-3-41.
- Halogen-free: IEC 60754-1 / EN 60754-1.
  - Flame retardant: IEC 60332-1-2 / EN 60332-1-2 / NF C 32-070 test C2.
- Low corrosivity of gas emissions: IEC 60754-2 / EN 60754-2.
  - Low smoke density: IEC 61034-2 / EN 61034-2.

## Options

- Solid tin-plated copper core – class 1 as per IEC 60228 (ref. H05Z-U and H07Z-U): contact us.
- Stranded tin-plated copper core – class 2 as per IEC 60228 (ref. H05Z-R and H07Z-R): contact us.
  - Bare copper core: contact us.
- Nickel-plated copper core: contact us.
- Other nominal cross-sections: contact us.
  - Other nominal stranding: contact us.
  - Other options: contact us.

## Characteristics General

- Continuous operating temperatures: -15 °C to +90 °C.
- Excellent tearing strength.
- Minimum bending radius: 5 x D.

## Electrical

- |                  |               |               |
|------------------|---------------|---------------|
|                  | <b>H05Z-K</b> | <b>H07Z-K</b> |
| • Rated voltage: | 300/500 V     | 450/750 V.    |
| • Test voltage:  | 2000 V        | 2500 V.       |

## Standard products

- All colours including two-coloured.

## H05Z-K and H07Z-K

Reference	Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)	INSULATED WIRE OR CABLE			Approximate linear weight (kg/km)
				Nominal thickness of insulation (mm)	Nominal diameter (mm)		
					min.	max.	
H05Z-K	0.5	16 x 0.20	40.1	0.6	2.1	2.6	9.0
H05Z-K	0.75	24 x 0.20	26.7	0.6	2.2	2.8	11.7
H05Z-K	1	32 x 0.20	20.0	0.6	2.4	2.9	13.8
H07Z-K	1.5	30 x 0.25	13.7	0.7	2.8	3.5	20.2
H07Z-K	2.5	50 x 0.25	8.21	0.8	3.4	4.3	31.2
H07Z-K	4	56 x 0.30	5.09	0.8	3.9	4.9	47.2
H07Z-K	6	84 x 0.30	3.39	0.8	4.4	5.5	65.9
H07Z-K	10	80 x 0.40	1.95	1.0	5.7	7.1	120
H07Z-K	16	126 x 0.40	1.24	1.0	6.7	8.4	172
H07Z-K	25	196 x 0.40	0.795	1.2	8.4	10.6	265
H07Z-K	35	276 x 0.40	0.565	1.2	9.7	12.1	355
H07Z-K	50	396 x 0.40	0.393	1.4	11.5	14.4	506
H07Z-K	70	360 x 0.50	0.277	1.4	13.2	16.6	679
H07Z-K	95	485 x 0.50	0.210	1.6	15.1	18.8	897
H07Z-K	120	608 x 0.50	0.164	1.6	16.7	20.9	1 142
H07Z-K	150	756 x 0.50	0.132	1.8	18.6	23.3	1 354
H07Z-K	185	944 x 0.50	0.108	2.0	20.6	25.8	1 766
H07Z-K	240	1 221 x 0.50	0.0817	2.2	23.5	29.4	2 342

For this product, please contact:

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For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.

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