

HIGH TEMPERATURE WIRES AND CABLES
FOR THE GENERAL MARKET
SECTION I: CROSS LINKED ELASTOMERS

VARPREN INSULATED WIRES AND CABLES

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

<HAR>

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

- | | | |
|------------------|---------------|---------------|
| | H05Z-K | H07Z-K |
| • 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**Flexible core • class 5 as per IEC 60228**

Reference	Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
-----------	---	-------------------	--

H05Z-K	0.5	16 x 0.20	40.1
H05Z-K	0.75	24 x 0.20	26.7
H05Z-K	1	32 x 0.20	20.0

INSULATED WIRE OR CABLE

Nominal thickness of insulation (mm)	Nominal diameter (mm)		Approximate linear weight (kg/km)
	min.	max.	

	0.6	2.1	2.6	9.0
	0.6	2.2	2.8	11.7
	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:

OMERIN division principale

Zone Industrielle - F 63600 Ambert
Tel. +33 (0)4 73 82 50 00 - Fax +33 (0)4 73 82 50 10
omerin@omerin.com

Omerin division silişol

BP 87 - ZI du Devey - F 42000 Saint-Étienne
Tel. +33 (0)4 77 81 36 00 - Fax +33 (0)4 77 81 37 00
silişol@omerin.com

omerin
LES CABLES DE L'EXTREME

www.omerin.com

® Registered trademark of the OMERIN Group. All information is indicative and may be modified without prior notice. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.