

VARPREN®

H05G-K and H07G-K

USE <HAR> Approval
-15 °C to +110 °C

Approvals - standards

- USE <HAR> Approval as per NF EN 50525-2-42.
- Halogen-free: IEC 60754-1 / EN 60754-1.
 - 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. H05G-U and H07G-U): contact us.
- Stranded tin-plated copper core – class 2 as per IEC 60228 (ref. H07G-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.

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Characteristics General

- Continuous operating temperatures: -15 °C to +110 °C.
- Excellent tearing strength.
- Minimum bending radius: 5 x D.

Electrical

- | | | |
|------------------|---------------|---------------|
| | H05G-K | H07G-K |
| • Rated voltage: | 300/500 V | 450/750 V. |
| • Test voltage: | 2000 V | 2500 V. |

Standard products

- All colours including two-coloured.

H05G-K and H07G-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)
H05G-K	0.5	16 x 0.20	40.1
H05G-K	0.75	24 x 0.20	26.7
H05G-K	1	32 x 0.20	20.0

INSULATED WIRE OR CABLE

Reference	Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)	Nominal thickness of insulation (mm)	Nominal diameter (mm)		Approximate linear weight (kg/km)
					min.	max.	
H05G-K	0.5	16 x 0.20	40.1	0.6	2.1	2.6	9.6
H05G-K	0.75	24 x 0.20	26.7	0.6	2.2	2.8	12.0
H05G-K	1	32 x 0.20	20.0	0.6	2.4	2.9	14.5
H07G-K	1.5	30 x 0.25	13.7	0.8	3.0	3.7	22.4
H07G-K	2.5	50 x 0.25	8.21	0.9	3.6	4.5	34.6
H07G-K	4	56 x 0.30	5.09	1.0	4.3	5.4	52.2
H07G-K	6	84 x 0.30	3.39	1.0	4.8	6.0	71.0
H07G-K	10	80 x 0.40	1.95	1.2	6.0	7.6	121
H07G-K	16	126 x 0.40	1.24	1.2	7.1	8.9	175
H07G-K	25	196 x 0.40	0.795	1.4	8.8	11.0	274
H07G-K	35	276 x 0.40	0.565	1.4	10.1	12.6	368
H07G-K	50	396 x 0.40	0.393	1.6	11.9	14.9	522
H07G-K	70	360 x 0.50	0.277	1.6	13.6	17.0	702
H07G-K	95	485 x 0.50	0.210	1.8	15.5	19.3	914
H07G-K	120	608 x 0.50	0.164	1.8	17.1	21.4	1 168
H07G-K	150	756 x 0.50	0.132	2.0	19.0	23.8	1 411
H07G-K	185	944 x 0.50	0.108	2.2	21.0	26.3	1 817
H07G-K	240	1 221 x 0.50	0.0817	2.4	23.9	29.9	2 396

For this product, please contact:

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LES CABLES DE L'EXTREME

The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force. 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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