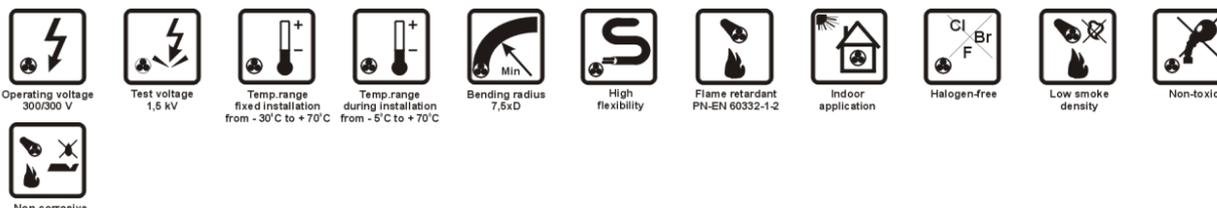


## LIH

### HALOGEN FREE HOOK-UP WIRES



### APPLICATIONS

LIH are hook-up wires intended for control and instrumentation circuits, for signal, monitoring and data processing systems, all for industrial electronic applications.

Halogen free wires, applied when higher safety in case of fire is required. The wires are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

They are designed for control cabinets, electronic devices and others as interconnection cables for electronic modules, equipment and instruments.

### CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- insulation made of halogen free compound (HFFR) - coloured according to customer's requirement.

### CHARACTERISTICS

Conductor cross-section	mm <sup>2</sup>	0.5	0.75	1.0	1.5	2.5
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98

Operating voltage U <sub>o</sub> /U	300/300 V	Operating temperature range for fixed installation	from - 30 to + 70°C
Insulation resistance, minimum	20 MΩ·km	for movable installation	from - 5 to + 70°C
Voltage test	1.5 kV rms	Minimum bending radius	7.5 x wire diameter
Corrosivity of emitted gases per	PN-EN 60754-1, PN-EN 60754-2, IEC 60754-2	Wire combustibility	flame retardant
pH appr.	6.8	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
conductivity appr.	0.4 μS/mm	Reference standards	DIN VDE 0815
Smoke density	PN-EN 61034-2, IEC 61034-2		
minimum light transmittance	70 %		

### CE = the wire meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Wire outer diameter (appr.)	Copper index	Wire weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
0075 008	1 x 0,5	1.65	4.8	6.4
0075 007	1 x 0,75	1.83	7.2	8.5

Product No.	Number of conductors x conductor cross-section	Wire outer diameter (appr.)	Copper index	Wire weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
0075 009	1 x 1,0	2.0	9.6	11.0
0075 010	1 x 1,5	2.3	14.4	15.5
0075 006	1 x 2,5	2.7	24.0	24.0

Other conductor cross-sections available on request.  
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.