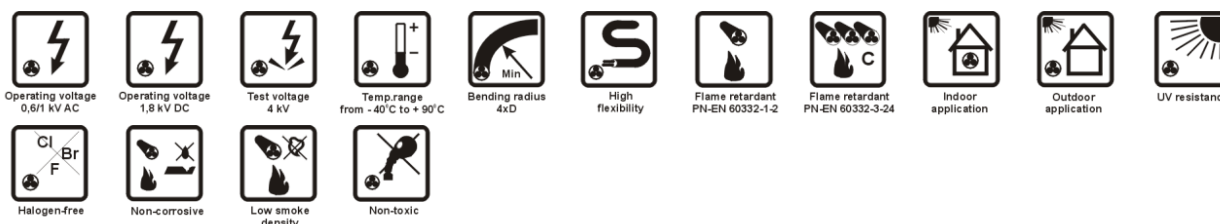


## SOLARTECH-4

### FLEXIBLE PHOTOVOLTAIC CABLES



### APPLICATIONS

**SOLARTECH-4** halogen free flexible single-core cables are intended for use in modern photovoltaic systems. They are designed for the connection between solar panels and inverters, in junction boxes, also for low voltage installations up to 0.6/1 kV.

Special dual insulation enhances protection against mechanical damage, also resistant to ozone, ultraviolet radiation, weathering and short-circuit as well.

Halogen free material insulated and sheathed cables are applied in locations where, in case of fire, higher safety level for human beings and expensive electronic equipment is required. The cables are flame retardant and their smoke emission is low, emitted fumes are non toxic and non corrosive.

Cables are oil-resistant.

The cables are suitable for indoor and outdoor installations connecting fixed and movable equipment.

### CONSTRUCTION

- flexible, multiwire conductors, stranded of annealed tinned copper wires, meeting requirements of class 5 per PN-EN 60228,
- cross-linked halogen free insulation,
- cross-linked halogen free cable sheath,
- colours: black, red, blue, other colours also available.

### CHARACTERISTICS

Conductor cross-section	mm <sup>2</sup>	1.5	2.5	4	6	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	13.7	8.21	5.09	3.39	1.95	1.24	0.795	0.565	0.393

Operating voltage U <sub>o</sub> /U	0.6/1 kV AC 1.8 kV DC (conductor/conductor)	Smoke density	low smoke density
Voltage test	4 kV rms	PN-EN 61034-2, IEC 61034-2	light transmittance, minimum
Corrosivity of emitted gases per PN-EN 60754-1, PN-EN 60754-2, IEC 60754-2	very low	Operating temperature range permanent temp. (for 20000 h)	61 %
pH appr.	6.8	Minimum bending radius	from - 40 to + 90°C +120°C
conductivity appr.	0.4 μS/mm	Cable combustibility	4 x cable diameter
		Combustibility tests	flame retardant
			PN-EN 60332-1-2, IEC 60332-1 PN-EN 60332-3-24, IEC 60332-3-24 (cat. C)

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

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
1618 002	1 x 1,5c	4.5	14.4	32.5
1618 003	1 x 2,5c	4.9	24.0	43.0

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
1618 001	1 x 4c	5.3	38.4	56.0
1618 004	1 x 6c	6.1	58.0	79.0

Other cross-sections available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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