

# Solar cable PV1-F

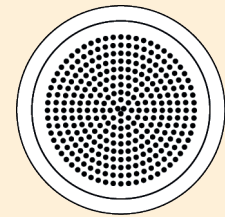
## Cable for solar panel wiring

RoHS

CROSS SECTION



**Solarline**



## APPLICATION

This solar cable is the perfect solution for photovoltaic systems. It offers outstanding UV, ozone, microbe and cold resistance and is resistant to the broadest range of weather conditions. The large working temperature range also enables the cable's use under extreme conditions and at any time of year. This cable can be buried underground within sealed photovoltaic systems. It is also resistant to oil and grease and offers excellent wear and abrasion resistance. The cable has an expected service life of 25 years.

## STRUCTURE

<b>Conductor</b>	Tin-plated copper conductor, flexible (class 5) according to CEI EN 60228 (CEI 20-29)
<b>Cores</b>	PVC according to VDE 0207 part 4 and VDE 0293
<b>Outer sheath</b>	Halogen-free elastomers, TÜV pfg 1169/08.2007 CEI EN 50363 (CEI 20-11)

## TECHNICAL DATA

<b>Nominal voltage</b>	600 V/1000 V
<b>Test voltage</b>	6500 V
<b>Min. bending radius</b>	Fixed installation: 15 x cable Ø
<b>Min. bending radius</b>	Moving: 6 x cable Ø
<b>Operating temperature</b>	-40°C to +90°C
<b>Short-circuit temperature</b>	+200°C
<b>Electrical resistance</b>	Test according to CEI 20-29 EN60228 cl. 5
<b>Ozone resistance</b>	Test according to EN 50396 part 8.1.3
<b>UV resistance</b>	Test according to HD605/A1 part 2.4.20

## SPECIAL FEATURES

**Properties**  
 Flame retardant  
 Halogen free  
 Minimal smoke density

**Sheath colours**  
 Black, red or blue

Product description			Cu weight	Outer Ø (mm)	Weight (kg/km)	Product number
Solar cable 1x4 / blue	/ TÜV II + VDE	Halogen free	38.4	5.7	63	eSOLAR10040blV
Solar cable 1x4 / red	/ TÜV II + VDE	Halogen free	38.4	5.7	63	eSOLAR10040rtV
Solar cable 1x4 / black	/ TÜV II + VDE	Halogen free	38.4	5.7	63	eSOLAR10040swV
Solar cable 1x6 / blue	/ TÜV II + VDE	Halogen free	58.0	6.5	86	eSOLAR10060blV
Solar cable 1x6 / red	/ TÜV II + VDE	Halogen free	58.0	6.5	86	eSOLAR10060rtV
Solar cable 1x6 / black	/ TÜV II + VDE	Halogen free	58.0	6.5	86	eSOLAR10060swV
Solar cable 1x10 / black	/ TÜV II + VDE	Halogen free	96.0	7.2	120	eSOLAR10100swV
Solar cable 1x16 / black	/ TÜV II + VDE	Halogen free	154.0	9.0	178	eSOLAR10160swV
Solar cable 1x25 / black	/ TÜV II + VDE	Halogen free	240.0	10.7	273	eSOLAR10250swV
Solar cable 1x35 / black	/ TÜV II + VDE	Halogen free	336.0	11.8	364	eSOLAR10350swV
Solar cable 1x4 / blue	/ TÜV II	Halogen free	38.4	5.7	63	eSOLAR10040bl
Solar cable 1x4 / red	/ TÜV II	Halogen free	38.4	5.7	63	eSOLAR10040rt
Solar cable 1x4 / black	/ TÜV II	Halogen free	38.4	5.7	63	eSOLAR10040sw
Solar cable 1x6 / blue	/ TÜV II	Halogen free	58.0	6.5	86	eSOLAR10060bl
Solar cable 1x6 / red	/ TÜV II	Halogen free	58.0	6.5	86	eSOLAR10060rt
Solar cable 1x6 / black	/ TÜV II	Halogen free	58.0	6.5	86	eSOLAR10060sw
Solar cable 1x10 / black	/ TÜV II	Halogen free	96.0	7.2	120	eSOLAR10100sw
Solar cable 1x16 / black	/ TÜV II	Halogen free	154.0	9.0	178	eSOLAR10160sw
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