

# Solar Cable



## ÖLFLEX® Solar XLR-R SDI

TÜV PV1-F Approved

### Description

ÖLFLEX® SOLAR XLR-R cables are weather, abrasion and UV-resistant photovoltaic cables. These cross-linked, halogen free and double insulated solar cables are suitable for permanent outdoor use and especially for the interconnection of grounded and ungrounded photovoltaic power systems. The cable is approved by TÜV Rheinland according to 2PFG 1169/08.2007 (PV1-F).

### Construction

Constructed using class 5, fine stranded tinned copper conductors insulated with a temperature-resistant, halogen-free cross-linked co-polymer compound and protected by an outer sheath of flame-retardant, weather, abrasion and UV-resistant, halogen-free black cross-linked co-polymer.

### Minimum Bending Radius

Flexing: 15 x cable diameter  
Fixed: 5 x cable diameter

### Nominal Voltage

0.6/1kV AC  
0.9/1.5kV DC

### Temperature Range

Fixed: -40°C to +120°C

### Approvals

TÜV approved according to;  
2PFG 1169/08.2007 PV1-F.  
Certificate No. R 50202588 002



### Features

- Weathering, abrasion, UV and ozone-resistant
- Cross-linked, halogen-free and double insulated
- Acid and alkaline-resistant (Oxal acid and sodium hydroxide)
- Suitable for permanent outdoor use
- Flame-retardant
- Inner sheath has contrasting colour to easily identify any damage to outer sheath
- Metre marked



### Cable design

1. Conductor: Fine wire strands of tinned copper according to IEC 60228, Class 5
2. Core insulation: Temperature resistant and halogen-free polyolefin co-polymer, electron beam cross-linked
3. Outer sheath: Flame-retardant, weather-resistant and halogen-free polyolefin co-polymer, electron beam cross-linked. Outer sheath colour: Black



Part No.	Nominal conductor area (mm <sup>2</sup> )	Approx overall Ø mm	Stranding	Inner sheath	Outer sheath	Roll size (mtrs)
0023177	4	5.2	56 x 0.30	White	Black	100 - 500
0023177S	4	5.2	56 x 0.30	White	Black	100
0023177.500M	4	5.2	56 x 0.30	White	Black	500
0023188S	4	5.2	56 x 0.30	Red	Black	100
0023178	6	5.8	84 x 0.30	White	Black	100 - 500
0023179	10	7.0	80 x 0.40	White	Black	100 - 500
0023180	16	8.3	128 x 0.40	White	Black	100 - 500