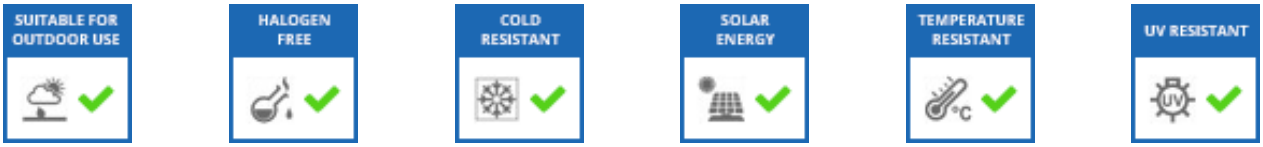
ÖLFLEX® SOLAR XLR-R

Electron beam cross-linked solar cables with reduced diameters - TÜV type approved

Reduced outer diameters enable space and weight saving installation; Reduction of flame propagation and of toxic combustion gases in the event of fire; Robust against mechanical impacts; Extruded colour stripe serves as reverse polarity protection during installation; Exact quantity control during installation by meter marking on the cable sheath

- Optimised cable design -thin, light and robust
- TÜV Type approved (2PfG 1169/08.07)According to DKE specification PV1-F
- New version with coloured stripe



Product description

Application range

- For the cabling between the solar modules and as extension cable between the module strings and the DC/AC inverter
- Gable and flat roof photovoltaic systems
- Photovoltaic plants and solar parks
- Flexible or building-integrated PV systems

Benefits

- Reduced outer diameters enable space and weight saving installation
- Reduction of flame propagation and of toxic combustion gases in the event of fire

- Robust against mechanical impacts
- Extruded colour stripe serves as reverse polarity protection during installation.
- Exact quantity control during installation by meter marking on the cable sheath

Product Make-up

- Fine-wire, tinned-copper conductor
- Core insulation made of electron beam cross-linked copolymer
- Colour of core insulation: white
- Outer sheath made of electron beam cross-linked copolymer
- Outer sheath colour: black respectively black with red or blue stripe

Norm references / Approvals

- PV1-F (TÜV type approved according to 2 PfG 1169/08.2007)

Product features

- Weather/UV-resistant acc. to HD 605/A1
- Ozone-resistant according to EN 50396
- Halogen-free and flame-retardant
- Good notch and abrasion resistance
- XLR-R = X-Linked Radiated-Reduced Proven electron beam cross-linked quality

Technical Data

Classification	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Conductor stranding	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius	Fixed installation: 4 x outer diameter
Nominal voltage	AC U_0/U : 600/1000 V DC U_0/U : 900/1500 V Max. permissible operating voltage: DC 1,8 kV (Conductor-conductor, non earthed system)
Test voltage	AC 6500 V
Current rating	Im compliance with TÜV requirements spec. 2 PfG 1169/08.2007 table 1
Temperature range	-40°C to +120°C max. conductor temperature based on EN 60216-1 Ambient temperature range according to TÜV 2 PfG 1169/08.07: -40°C to +90°C