

Benefits

- Robust against mechanical impact
- Reduced spreading of fire source and formation of toxic combustion gases in event of fire
- Exact quantity control during installation by meter marking on the cable sheath

Application range

- For cabling of solar modules among themselves and as extension cable between the individual module strings or DC/AC inverter
- Gable and flat roof photovoltaic systems
- Open land solarfield plants

Product features

- Weathering-, abrasion and UV resistant
- Good heat pressure resistance
- Halogen-free and flame-retardant.
- Resistant against oxalic acid and sodium hydroxide and other chemical media

- On request and considering economic minimum lengths also available with red and blue outer sheath

Approvals (Norm references)



- Flame retardant according to IEC 60332-1-2
- Halogen-free according to EN 50267-2-1/-2, EN 60684-2
- Ozone resistant according EN 50396
- Weather-/UV resistant according HD 605/A 1
- Acid-/Brine resistant according EN 60811-2-1

Design

- Conductor: Fine wired tinned copper strands
- Core insulation: Electron beam cross-linked copolymer
- Core insulation colour: Black, red or blue
- Outer sheath: Electron beam cross-linked Copolymer
- Outer sheath colour black

Technical data



Conductor stranding

Fine wire in accordance to VDE 0295 Class 5 / IEC 60228 Class 5



Minimum bending radius

Fixed installation: 4 x cable diameter



Rated voltage

AC U_0/U : 600/1000 V

DC U_0/U : 900/1500 V

Max. permissible operating voltage:

DC 1800 V



Test voltage

AC 6500 V



Range of temperature

Fixed installation:

-40° C up to +100 °C

Part number	Conductor cross section in mm ²	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
ÖLFLEX® SOLAR XLS - Core insulation: black / Outer sheath: black				
0025800	1.5	5.4	14.4	29.0
0025805	2.5	5.4	24.0	45.0
0025810	4.0	6.0	38.4	72.0
0025815	6.0	7.1	57.6	102.0
0025820	10.0	8.9	96.0	159.0
0025825	16.0	9.8	153.6	247.0
ÖLFLEX® SOLAR XLS - Core insulation: red / Outer sheath: black				
0025801	1.5	5.4	14.4	29.0
0025806	2.5	5.4	24.0	45.0
0025811	4.0	6.0	38.4	72.0
0025816	6.0	7.1	57.6	102.0
0025821	10.0	8.9	96.0	159.0
0025826	16.0	9.8	153.6	247.0
ÖLFLEX® SOLAR XLS - Core insulation: blue / Outer sheath: black				
0025802	1.5	5.4	14.4	29.0
0025807	2.5	5.4	24.0	45.0
0025812	4.0	6.0	38.4	72.0
0025817	6.0	7.1	57.6	102.0
0025822	10.0	8.9	96.0	159.0
0025827	16.0	9.8	153.6	247.0