

600/1000V 120°C SOLAR PV1-F HALOGEN FREE PV CABLES



APPLICATION

Cables are double insulated, electron-beam cross-linked cables for Photovoltaic power applications.

CONSTRUCTION

Tinned Fine copper strands, acc. to EN 60228, class 5.

Electron-beam cross-linked polyolefin insulation, 120°C

Insulation Colour: White

Electron-beam cross-linked polyolefin Jacket

Jacket colour: Black, Red, Blue

TECHNICAL DATA

Rated voltage:	600/1000V (DC1800V)
Max. Conductor Temp.	120°C
Ambient Temp. > 25 years (TÜV):	40°C to +90°C
Max. short circuit temp. (5 sec.):	200°C
Bending radius:	5 X Ø (min. bending radius)
Approval standard:	2 PfG 1169/08.2007 (PV1-F)
Resistance of conductor:	acc. to EN 50395
Voltage Test on completed cable:	acc. to EN 50395 (AC 6500V)
Insulation Resistance:	acc. to EN 50395
Pressure Test at high Temp.:	acc. to EN 60811-3-1
Damp Heat Test:	acc. to EN 60068-2-78
Acid & Alkaline Resistance:	acc. to EN 60811-2-1
Ozone Resistance:	acc. to EN 50396
Weathering/UV-Resistance:	acc. to HD 605/A1
Flame Propagation Test:	acc. to EN 60322-1-2
Halogen Test:	acc. to 2 PfG 1169/08.2007 Annex B and Annex C acc. to EN 50267-2-1/2

No. of cores x Nominal Area (mm ²)	Outer diameter approx. (mm)	Cable Weight Approx. (kg/km)
1x1.5	5.6	44.6
1x2.5	6.0	43.7
1x4.0	7.0	60.0
1x6.0	7.9	81.0

No. of cores x Nominal Area (mm ²)	Outer diameter approx. (mm)	Cable Weight Approx. (kg/km)
1x10	9.1	126.7
1x16	10.2	194.0
1x25	12.4	276.0
1x35	13.6	377.0