

TÜV 2PFG 1169 PV1-F 1X1.5mm² ~ 35mm² Multiple color

Jacket: Electron-beam cross-linked material Insulation: Electron-beam cross-linked material



Conductor: Tinned Copper



Solar Cable

Construction	Conductor Construction	Conductor Outer	Cable Outer	Resistance Max.	Current Carrying Capacity AT 60°C
mm ²	n x mm	mm	mm	Ω/Km	A
1 x 1.5	30 x 0.25	1.58	4.9	13.7	30
1 x 2.5	48 x 0.25	2.02	5.45	8.21	41
1 x 4.0	56 x 0.3	2.35	6.10	5.09	55
1 x 6.0	84 x 0.3	3.20	7.20	3.39	70
1 x 10	142 x 0.3	4.60	9.00	1.95	98
1 x 16	228 x 0.3	5.60	10.20	1.24	132
1 x 25	361 x 0.3	6.95	12.00	0.795	176
1 x 35	494 x 0.3	8.30	13.80	0.565	218

The current-carrying capacity is under the situation of laying the single cable in air

Data	
Nominal voltage	DC:1.8KV AC:0.6/1.0KV
Voltage test on completed cable	AC:6.5KV DC:15KV,5MIN
Ambient temperature	-40°C~+90°C
Max. Temperature at conductor	+120°C
Service life	>25 year (-40°C~+90°C)
Refer to short circuit allows the temperature	200°C,5s
Bending radius	≥4Xφ(D<8mm), ≥6Xφ(D<8mm)
Resistance against acid and alkaline solution	EN60811-2-1
Cold bending test	EN60811-1-4
Weathering/UV- resistance	HD605/A1
0-zone resistance at complete cable	EN50396
Test under fire conditions	EN60332-1-2