



S-MARK PV-CC 180

Acc. to JCS 4517 certification.



SOLAR CABLES

Construction

Conductor:	Fine strands of bare copper, acc. to JIS C 3102
Insulation:	XLPE
Insulation colour:	White
Outer sheath:	XLPE
Sheath colour:	Black, RAL 9005

Technical data

Rated voltage:	1500V DC
Test voltage:	6500V
Ambient Temp.:	-40°C to +90°C
Bending radius :	D < 8mm: 4x cable diameter D ≥ 8mm: 6x cable diameter
Surface resistance of sheath:	1000 MΩ · km
Weathering & UV-resistance:	JIS K 7350-1 & JIS K 7350-2
Cold bending test:	JIS C 3660-1-4
Burning behavior:	JIS C 3665-1-2
Smoke density:	JIS C 60695-6-31 (JIS C 0081)
O-zone resistance:	JIS C 3667
Resistance against & Alkaline solution:	JIS C 3660-2-1

Part No.	Cores No. + area (mm²)	Conductor structure (core/mm)	Conductor Diameter (mm)	Approx. Diameter (mm)	Max conductor DC resistance (20°C; Ω/KM)	Approx. Weight (kg/km)
180 0020 001 11	2.0	7/0.6	1.80	5.4	9.24	43.78
180 0035 001 11	3.5	7/0.8	2.40	6.1	5.20	62.56
180 0055 001 11	5.5	7/1.0	3.00	6.7	3.33	85.48
180 0080 001 11	8.0	7/1.2	3.60	7.4	2.31	112.54