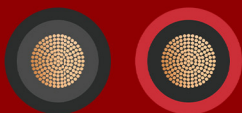


SOWELL SOLAR

**SOWELLSOLAR
Safety Solar
Photovoltaic
Cable**



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PV2K-TC5 Series

SOLAR DC CABLE

Model: PV2000DC (TC5)

Rated Voltage: 2000V DC

Range of cross sectional area: 1X1.5mm² ~ 1X35 mm²

Standard: TÜV SÜD PPP58209A

**10
YEARS
LIMITED
PRODUCT
WARRANTY**

**25
YEARS
SERVICE
LIFE**

Sowell Solar

SOLAR DC CABLE

PV2K-TC5 Series

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Model: PV2000DC (TC5)

Rated Voltage: 2000V DC

Range of cross sectional area: 1X1.5mm² ~ 1X35 mm²

Standard: TUV SUD PPP58209A

Application

Halogen free cross-linked polyolefin double layers solar cables for use at the photovoltaic power systems. This cable can match with all kinds of solar connectors which have a rated voltage of 1000V up to 2000V DC.

Cable surface marking

TÜV SÜD PPP58209A PV2000DC (TC5) 1X4,0mm² 2000V HALOGEN FREE LOW SMOKE SOWELLSOLAR

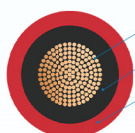
Certificate

PPP58209A

B1161110004

Product selection table

Part No.	Conductor cross section mm ²	Strand design Number x Ø mm	Outer-Ømm	Conductor resistance Ω / km 20°C	Sheath Color
PV2K-TC5-15B	1X1.5	30/0.25	5.4±0.1mm	13.70	Black
PV2K-TC5-15R	1X1.5	30/0.25	5.4±0.1mm	13.70	Red
PV2K-TC5-25B	1X2.5	49/0.25	5.8±0.1mm	8.21	Black
PV2K-TC5-25R	1X2.5	49/0.25	5.8±0.1mm	8.21	Red
PV2K-TC5-40B	1X4	56/0.282	6.2±0.1mm	5.09	Black
PV2K-TC5-40R	1X4	56/0.282	6.2±0.1mm	5.09	Red
PV2K-TC5-60B	1X6	84/0.282	6.7±0.1mm	3.39	Black
PV2K-TC5-60R	1X6	84/0.282	6.7±0.1mm	3.39	Red
PV2K-TC5-100B	1X10	77/0.4	7.9±0.1mm	1.95	Black
PV2K-TC5-100R	1X10	77/0.4	7.9±0.1mm	1.95	Red
PV2K-TC5-160B	1X16	126/0.4	9.2±0.1mm	1.24	Black
PV2K-TC5-160R	1X16	126/0.4	9.2±0.1mm	1.24	Red
PV2K-TC5-250B	1X25	196/0.4	10.8±0.1mm	0.795	Black
PV2K-TC5-250R	1X25	196/0.4	10.8±0.1mm	0.795	Red
PV2K-TC5-350B	1X35	273/0.4	12.2±0.1mm	0.565	Black
PV2K-TC5-350R	1X35	273/0.4	12.2±0.1mm	0.565	Red



- Conductor: TC5, tin plated
- Insulation: 125°C XLPO, Cross-Linked
- Sheath: 125°C XLPO, Cross-Linked



Sowell Solar

SOLAR DC CABLE

Cable design	
Conductor	Tinned copper Class 5 (TC5)
Insulation	125°C Low-Smoke Halogen-Free Flame Retardant Polyolefins
Sheath	125°C Low-Smoke Halogen-Free Flame Retardant Polyolefins
Special technology	Electron Beam Radiation Cross-linking

Electrical characteristics	
Rated voltage U0/U	DC 2000V
Temperature range	-40°C up to +90°C
Max. temperature at conductor	120°C
Min. bending radius	6 x cable diameter
Industry Standards	PPP58209A
Tensile strength and elongation	EN 60811-1-2
Halogen free	50525-1 Annex B
Ozone resistance	EN 50396
UV resistance	EN50289-4-17
Cold impact test	EN60068-2-78

