



APPLICATION

TUV 2PFG 1169 Pure Copper Solar PV Cable 6mm 1000V is specialized components used to connect the solar panel and Inverter or controller box in Solar power system.They're UV resistance and can be working outdoor in extreme environments,Ozone,Hydrolysis resistant for 25years.TUV 2PFG 1169 Pure Copper Solar PV Cable 1000V 2×2.5mm,2x4mm,2x6mm,2x10mm have Double insulation, electron-beam cross-linked cables for photovoltaic power station.

CONSTRUCTION

Conductor:Tinned copper, according to the VDE0295/IEC60228,Class 5

Insulation:Polyolefin copolymer electron-beam cross-linkd (XLPE/XLPO)

Outer sheath:Polyolefin coploymer electron-beam cross-linkd (XLPE/XLPO)Technical Data

Technical Specification

Nominal voltage:U0/U=600/1000V AC,1000/1800V DC

Test voltage:6500V,50HZ,5min

Temperature Rating:-45°C up to +125°C -40 F up to +257F

Ambient Temperature 25 years(TUV):-40°C up to +90°C -40 F up to +194F

Max. Short circuit temperature:280°C,+536 F

Bending radius: fixed installation>4×Φ Occasionally moved>5×Φ

Standard:

Fire-resistance performance:IEC 60332-1

Smoke emission:IEC 61034; EN 50268-2

Low fire load: DIN 51900

Approvals:TUV 2PFG 1169/08.2007PV1-F

Application standards:UNE211 23;UNE 20.460-5-52,UTE C 32-502

Size of 1000V PV1-F Double Core Solar Cable

Size	Conductor Constnction	Conductor OD	Cable OD	Resistance Max.	Rated Voltage	60°C Ampacity
mm ²	n x mm	mm	mm	Ω/Km	V	A
2×2.5	48×0.25	2.02	5.45×11.0	8.21	1000/1800	41
2×4.0	56×0.3	2.35	6.10×12.3	5.09	1000/1800	55
2×6.0	84×0.3	3.20	7.20×14.5	3.39	1000/1800	70
2×10	142×0.3	4.60	9.00×18.1	1.95	1000/1800	98