Solar Cable 2 Pfg 1169

Solar cable for PV and renewable energy project supply

Solar Cable 2 Pfg 1169 is prepared for preliminary product selection and quotation review. This product is used in photovoltaic power systems where UV resistance, temperature rating, voltage grade and outdoor durability are important for project selection.

VOLTAGE

1000V, 1.8kV

CONDUCTOR

Tinned copper conductor route, confirmed by technical table

TYPICAL USE

PV module interconnection

STANDARDS

TÜV 2 PfG 1169; IEC 60228

DATA SCOPE

1 technical table(s) included for preliminary selection

SELECTION NOTE

Confirm voltage, conductor size, UV rating, temperature class and standard.

For quotation review, provide cable type, standard, size, quantity and project destination.

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Application & Selection Summary

Typical applications
- PV module interconnection
- solar power plants
- rooftop solar systems
- BESS and renewable energy DC cable routes.

Selection logic
- Confirm rated voltage, conductor size, insulation/sheath material, UV and temperature requirements, flame performance and applicable project standard.

Construction Overview

Item	Website-ready content
Product route	Tinned copper or copper conductor with solar-grade insulation and sheath according to the selected PV cable standard.
Voltage	1000V, 1.8kV
Conductor	Tinned copper conductor route, confirmed by technical table
Standards	TÜV 2 PfG 1169; IEC 60228
Confirmation	Final structure, dimensions and packing should follow selected standard, quotation review and order specification.

Readable Data Index

Data route	Size / rating range	Construction	Diameter / OD	Resistance / weight / rating
PV1-F Tinned Copper Solar Cable - 600/1000V AC	2.5 - 25.0	See table	See table	8.21 - 0.79

Data boundary: these tables support website launch, quotation review and preliminary product selection. For project execution, final dimensions, electrical performance, packing and compliance documents should be confirmed against the selected project standard and order specification.

PV1-F Tinned Copper Solar Cable - 600/1000V AC

Reference table for preliminary selection and quotation review.

Sectional Area (mm²)	Cond. Construction (n/mm)	Nom. Outer Dia. (mm)	Approx. Weight (kg/km)	Current Rating @ 60°C (Amps)	Max. DC Resistance @ 20°C (Ω/km)
PV1-F Tinned Copper Solar Cable - 600/1000V AC					
2.5	50 / 0.25	5.1	44	41	8.21
4.0	56 / 0.30	5.8	64	55	5.09
6.0	84 / 0.30	6.4	84	70	3.39
10.0	80 / 0.40	7.8	130	98	1.95
16.0	126 / 0.40	9.2	195	132	1.24
25.0	196 / 0.40	11.2	305	176	0.79