

In Collaboration with INDIANA GMBH, Germany

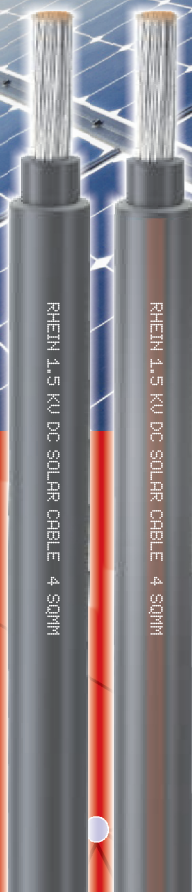


RHEIN[®]
SMART ELECTRICAL WIRES

SMART WIRE FOR SMART BUYER

RHEIN SOLAR

Smartify Your Life



Enriched German Compound

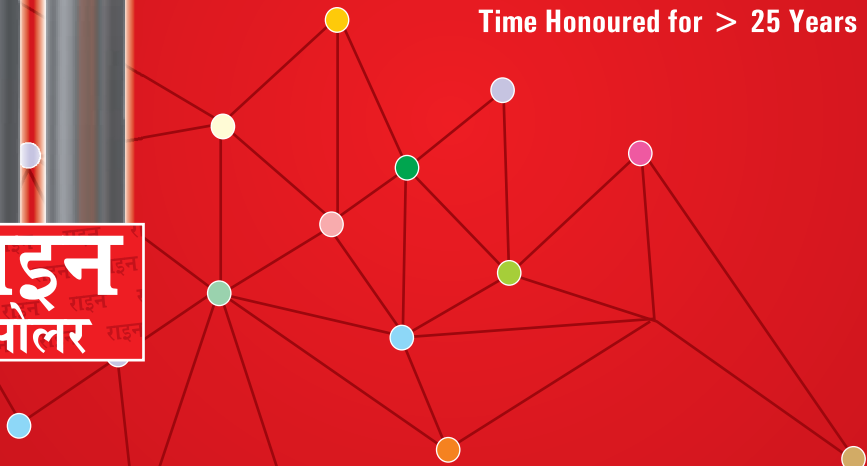
UV, Ozone, Temperature & Hydrolysis Resistant

Flame Retardant, Low Smoke, Low Resistance

Perfectly Enveloped

Time Honoured for > 25 Years

**राइन
सोलर**



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Class 5 of IEC 60228
Tinned Intelli-Tech Twisted Copper

Zero Halogen Sheath

Zero Halogen Insulation

Technical Specification

Construction:

- Conductor: tinned copper conductor IEC 60228, Class 5
- Insulation/sheath: Enriched German Compound halogen free & flame retardant compound

Electrical:

- Voltage test: 6500V as per EN 50395.
- Max permissible operating voltage: DC 1.5Kv (conductor-conductor, non earthed system).
- Nominal voltage: AC - 0.6/1 Kv, DC - 900/1.5 Kv.

Temperature:

- Ambient Temperature: -40°C to + 90°C.
- Max conductor temperature: 40°C to 120°C.

Max bending radius:

- 5 *OD (fixed installation)
- 15 *OD (occasional moved)

Standards / Material Properties:

- Fire performance: IEC 60332-1-2
- Smoke emission: IEC 61034/ EN 50268-2
- Halogen free: EN 50267-2-1/-2, IEC 60754-2
- Toxicity: EN 50305, ITC - index <3
- Ozone Resistant: EN50396
- Weathering UV: HD 605/A1 or DIN 53367
- Approvals: EN 50618; H1Z2Z2-K

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Solar DC Cables from PV Module to Array Junction Box

(as per TUV Specification- EN 50618 : 2014)

Single Core In Sq. mm.	Enriched German Compound Insulation Thickness Nominal in mm.	Enriched German Compound Sheath Thickness Nominal in mm.	Overall Diameter in mm.	Tolerance on diameter	Tinned Copper Maximum Resistance @ 20°C (ohms-Ω/Km)	Current Carrying Capacity (Single Cable in Air) (in Amps - A)
1.5	0.7	0.8	4.8	+/- 0.35	13.60	30
2.5	0.7	0.8	5.2	+/- 0.35	8.20	41
4	0.7	0.8	5.8	+/- 0.35	5.05	55
6	0.7	0.8	6.4	+/- 0.35	3.32	70

Solar DC Cables from Array Junction Box to Main Junction Box & MJB to Inverter

(as per TUV Specification- EN 50618 : 2014)

Single Core In Sq. mm.	Enriched German Compound Insulation Thickness Nominal in mm.	Enriched German Compound Sheath Thickness Nominal in mm.	Overall Diameter in mm.	Tolerance on diameter	Tinned Copper Maximum Resistance @ 20°C (ohms-Ω/Km)	Current Carrying Capacity (Single Cable in Air) (in Amps - A)
10	0.7	0.8	7.3	+/- 0.35	1.950	98
16	0.7	0.9	8.6	+/- 0.35	1.240	132
25	0.9	1.0	10.4	+/- 0.35	0.795	176
35	0.9	1.1	11.8	+/- 0.35	0.565	218
50	1.0	1.2	13.8	+/- 0.35	0.393	276

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Scan Your



Smartphone

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