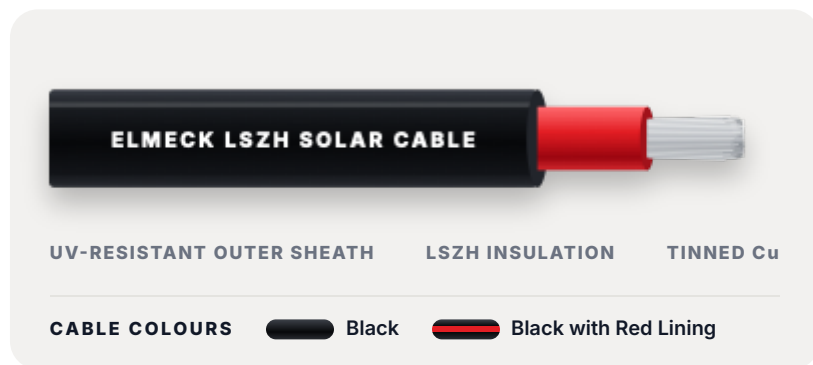
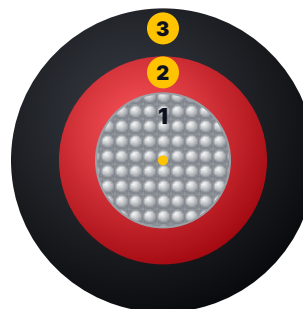


ELMECK SOLAR CABLE – IS 17293:2020



- 1 Tinned Copper Conductor**
Fine-stranded annealed tinned copper
- 2 LSZH Insulation**
Low Smoke Zero Halogen
- 3 UV-Resistant Outer Sheath**
For outdoor solar exposure

APPLICATION

Electrical interconnection in photovoltaic (PV) systems:

- Residential & commercial rooftop solar
- Interconnection of PV panels and modules
- Panels to string boxes and inverters
- Fixed and free-hanging installations
- Indoor and outdoor solar installations
- Agricultural and other PV applications

CABLE CONSTRUCTION

- 1 · Conductor** — fine-stranded annealed tinned copper.
- 2 · Insulation** — LSZH, low smoke zero halogen.
- 3 · Outer Sheath** — UV-resistant, for outdoor exposure.

STATUTORY REQUIREMENT

The Quality Control Order (QCO) on DC Solar Cable, issued by the Ministry of Commerce & Industry on 24 August 2023, mandates the use of DC solar cables marked with IS 17293 in India.

STANDARD – IS 17293:2020

ELMECK Solar Cables are manufactured in accordance with IS 17293:2020 – Solar DC Cables.

TECHNICAL DATA

Product	Solar DC Cable
Conductor	Fine-stranded annealed tinned copper
Insulation	LSZH
Sheath	UV-resistant outer sheath
Colours	Black; Black with Red Lining
Standard	IS 17293:2020

PRODUCT PROPERTIES

UV Resistant — withstands outdoor UV exposure.

LSZH Construction — low smoke zero halogen.

Tinned Copper — reliable electrical connectivity.

Durable Construction — for long-term PV use.

Weather Resistant — for demanding outdoor sites.

Flame Retardant — flame-retardant materials.

Outdoor Application — rooftop and outdoor PV.

CABLE DESIGN PARAMETERS

Nominal cross-sectional area (sq. mm)	Nominal insulation thickness (mm)	Nominal sheath thickness (mm)	Approx. cable diameter (mm)	Current carrying capacity according to method of installation			Maximum DC conductor resistance at 20°C (Ω/km)
				Single cable free in air (Amps)	Single cable on surface (Amps)	Two loaded cables touching on surface (Amps)	
2.5	0.7	0.8	5.1	38	36	30	8.21
4	0.7	0.8	5.6	52	49	41	5.09
6	0.7	0.8	6.2	66	63	53	3.39
10	0.7	0.8	7.1	89	87	73	1.95