



Low Smoke Zero Halogen (LSZH) Aluminum Solar Cable

APPLICATION

LSZH (Low Smoke Zero Halogen) aluminum solar cables prioritize safety in buildings and locations with high occupant density. These cables emit minimal smoke and no halogen gases during a fire, reducing inhalation hazards. While maintaining excellent conductivity for solar applications up to 1500 V

CONSTRUCTION

Conductor : Aluminum, class 2, based on IEC 60228.

Insulation : XLPE (Cross-Linked Polyethylene)

Sheath : Low Smoke Zero Halogen (LSZH) polyvinyl.

Sheath Color : Black

CHARACTERISTICS

Voltage Rating (Uo/U): 0.6/1kV

Temperature Rating: -15°C to +90°C

Maximum service temperature: 90°C.

Maximum short-circuit temperature: 250°C (max. 5 s).

Standard: IEC60228, IEC60502-1

Flame non-propagation based on IEC 60332-1.

LSZH (Low Smoke Zero Halogen) based on IEC 60754

The bending radius: 15 x Outer diameter.

STANDARDS

- **Flame non-propagation** : IEC 60332-1.
- **LSZH:** IEC 60754
- IEC60228, IEC60502-1

PACKAGING

Coil: 100m, 250m, 300m

Drum: 500m, 1000m, 2000m, 3000m

Other packaging available on request on request

TECHNICAL DATA

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA	NOMINAL THICKNESS OF INSULATION	SHEATH THICKNESS	NOMINAL OVERALL DIAMETER	NOMINAL WEIGHT
	mm ²	mm ²	mm	mm	kg/km
1	120	1.2	1.5	18.4	485
1	150	1.4	1.6	20.6	603



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