

PHOTOVOLTAIC WIRE / SOLAR CABLE

1.5 kV(DC)

CU/XLLSHF/XLLSHF, 90°C

APPLICATION:

This Low Smoke Halogen Free, flexible, single core Power cable with Cross linked Insulation & Sheath particularly used in Photovoltaic System, provide a durable high performance interconnection solution between photovoltaic (PV) panels and from the panels to inverter. This Solar cable is permitted to be installed in cable trays, wireways, conduits, etc.

CONSTRUCTION:

Conductor:

Flexible tinned copper as per class 5 of IEC60228

Insulation:

Black Cross Linked Low smoke halogen free according to BSEN 50618

Jacket:

Cross Linked Low smoke halogen free according to BSEN 50618

Jacket Color:

As per customer requirement (solid color or with stripe can be supplied)

Marking: (Example)

MESC H1Z2Z2-K 2.5mm² EN 50618

TECHNICAL DATA:

- **Flame Retardance** : IEC 60332-1
- **Temperature Range** : - 40°C to 90°C
- **Voltage Rating** : 1.5 kV (DC)
- **Conductor Resistance** : as per Class 5 of IEC60228 tinned conductor
- **Light Transmission** : ≥ 60% BS EN/IEC 61034-2
- **Halogen acid gas** : ≤ 0.5% IEC 60754-1 & 2, BS EN 50267-2-1 & 2
- **Limiting Oxygen Index** : ≥ 30 (ASTM D2863)
- **Min. bending radius** : O.D. x 6

MESC CODE	COND. SIZE	MAX. STRANDS DIAMETER	OVERALL DIAMETER	APPROX. WEIGHT	*CURRENT RATING
	mm ²	mm	mm	kg/km	Ampere
7V9X-01C00400-U0RD8-H0	4.0	0.31	5.6	60	55
7V9X-01C00400-U0BK8-H0	4.0	0.31	5.6	60	55
7V9X-01C00600-U0RD8-H0	6.0	0.31	6.2	81	70
7V9X-01C00600-U0BK8-H0	6.0	0.31	6.2	81	70

*Single cable free in air (EN 50618, table A.3)

Ambient temperature: 60°C

Conductor Temperature: 120°C

STANDARD/COMPLIANCE:

- EN 50618
- IEC 60228
- IEC 62930
- IEC 60332-1-2
- BS EN 50289-4-17



Packaging:

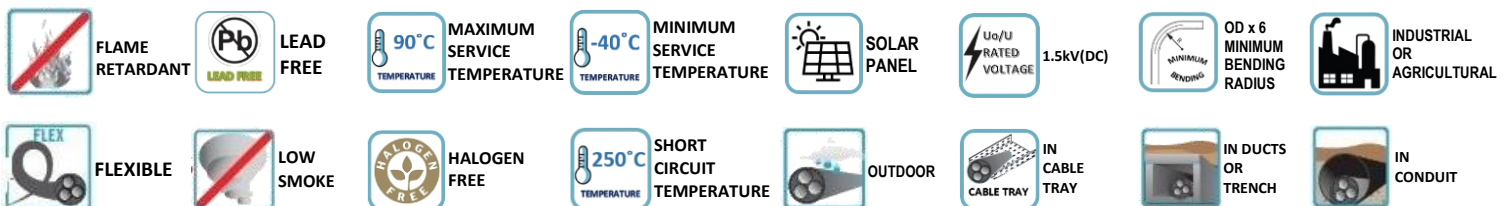
- Coil of 100 Yards (91.4 meters)
- Coil of 40 meters
- In drum of meters
- Or as per customer requirement

Notes:

The following can be offered upon customer request.

- Insulation/jacket color
- Marking text as customer required

CHARACTERISTICS:



APPLICATION - INSTALLATION CONDITIONS: