PHOTOVOLTAIC WIRE / SOLAR CABLE
1.5 kV (DC)
CU/XLLSHF/XLLSHF, 90ºC

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:
Cross Linked Low smoke halogen free according to BSEN 50618 (Natural colour)

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 6mm2 CU/XLLSHF/XLLSHF EN 50618 MADE IN KSA

TECHNICAL DATA:

- Flame Retardance : BS EN 60332-1
- Temperature Range : - 40°C to 90°C
- Voltage Rating (Uo/U) : 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
	mm²	mm	mm	kg/km	Ampere
7V9X-01C00400-U0RD8-H0-11	4.0	0.31	5.6	60	55
7V9X-01C00400-U0BK8-H0-11	4.0	0.31	5.6	60	55
7V9X-01C00600-U0RD8-H0-11	6.0	0.31	6.2	81	70
7V9X-01C00600-U0BK8-H0-11	6.0	0.31	6.2	81	70
7V9X-01C01000-U0RD8-H0-11	10.0	0.41	7.1	122	98
7V9X-01C01000-U0BK8-H0-11	10.0	0.41	7.1	122	98

*Single cable free in air (EN 50618, table A.3)
Ambient temperature: 60ºC
Conductor Temperature: 120ºC

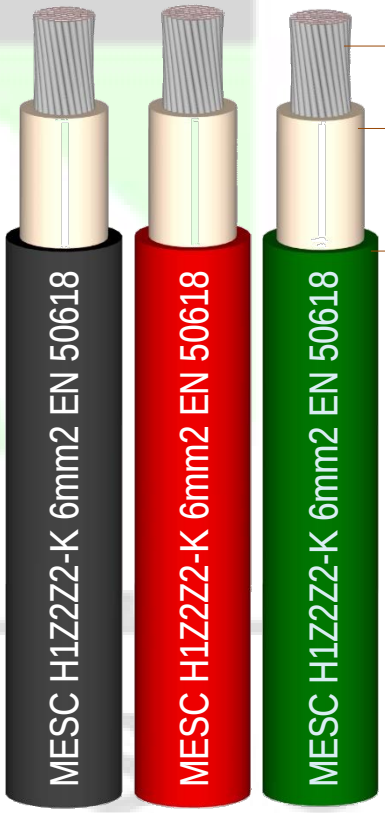
**Single cable free in air (EN 62930, table A.3)
Ambient temperature: 30ºC
Max. Conductor Temperature: 90ºC

STANDARD/COMPLIANCE:

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

SAUDI MADE

RoHS



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:

- FLAME RETARDANT
- LEAD FREE
- MAXIMUM SERVICE TEMPERATURE
- MINIMUM SERVICE TEMPERATUR
- FLEXIBLE
- LOW SMOKE
- HALOGEN FREE
- SHORT CIRCUIT TEMPERATURE

APPLICATION - INSTALLATION CONDITIONS:

- SOLAR PANEL
- 1.5kV(DC)
- OD x 6 MINIMUM BENDING RADIUS
- INDUSTRIAL OR AGRICULTURAL
- OUTDOO
- IN CABLE TRAY
- IN DUCTS OR TRENCH
- IN CONDUIT

M E S C
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MESC

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