SRS SOLAR PV CABLE

Cross Section mm^2	Conductor Construction n/mm	Conductor OD mm	Cable OD mm	Max Resistance At 20°C $[\Omega/Km]$	Current Capacity At 60° $[A]$
4	56/0.285	2.35	5.8	5.09	44
6	84/0.285	3.06	6.6	3.39	60

CHARACTERISTICS

Conductor	Stranded Tinned Copper
Insulation	Halogen Free Cross-Linked Polyolefin [XLPO]
Diameter	Halogen Free Cross-Linked Polyolefin [XLPO]
Rated Temperature	-40°C ~+90°C
Rated Voltage	AC:0.6/1KV DC:1.5Kv
Weathering Resistance	Sun Resistant
Standard	2PFG 1169 08.2007; EN 50618: 2014; NB/T42073-2016

SINGLE CORE SOLAR PV CABLE

Cable Description

- Cable Full Name: Halogen-free low smoke cross-linked polyolefin Insulated and sheathed cables for photovoltaic power generation systems.
- Conductor Structure: EN6O228(IEC6O228.GB/T3956) Type five conductor and must be tinned copper wire
- Cable Color: Black or Red (The insulation material shall be extruded halogen-free material. which shall be composed of one layer or several tightly adhered layers. The insulation shall be solid and uniform in material and the insulation itself, the conductor and the tin layer shall be as far as possible not damaged when the insulation is peeled off)
- Cable Characteristics: Double insulated construction. Higher systems bear voltage, UV radiation, Low and High temperature resistant environment.

Technical Data

Nominal Voltage	DC:1.5KV AC:1.0/1.0KV
Voltage Test on Completed Cable	AC:6.5KV DC:15KV for 5min
Working Temperature	-25°C ~ 90°C
Thermal Endurance Properties	120°C 20000hrs elongation at break ≥50%
Max Short circuit Temperature	Max Short Circuit Temperature is 250°C for 5Sec
Pressure Test at High Temperature	EN60811-3-1
Damp Heat Test	EN60068-2-78
Resistance Against Alkaline and Acid Solutions	EN60811-2-1
Ozone Resistance at Complete Cable	EN50396
Thermal Endurance Test	EN60216-2
Cold Bending Test	EN60811-1-4
Weathering/UV Resistance	EN50289-4-17
Test of Vertical Flame Propagation at Complete Cable	EN60332-1-2
Halogen Content Test	EN60754-1/EN60754-2

SINGLE CORE SOLAR PV CABLE