UL PV WIRE 10AWG

epcom®
POWER ⚡ LINE

Model : CBLPV10B/100

Color: Negro   **Longitud: 100 Metros**

Application

In a solar power system of rated voltage 1000/2000V, These cables offer exceptional performances, easy installation and long term reliability for solar plant.
They link photovoltaic panels for Utility Scale solar plants or rooftops, and also connect them to the array box (if existing), or potentially to the inverter.

Material characteristics / Standard

Fireproof performance : IEC60332-1; IEC60332-3-24
Smoke emission : IEC61034; EN61034-2
Low fire load : DIN 51900
Approval : UL 4703
Applied standard: UL 4703

Recommended Use

Renewable Energies; Solar Plants.
Intended for permanent use outdoor and indoor.
Installation can be fixed or free movable / free hanging, and also in cable trays and conduits.

Advantages

E-beam cross-linked compounds
High resistance against UV, ozone and hydrolyzation
High temperature resistance, materials will not melt or flow
Flexibility under cold conditions
Long usable life, expected usable life over 25 years
Applicable to all common connectors

Thermal performance & Electrical performance

Operation temperature : -40℃ ～ +120℃
Ambient temperature : -40℃ ～ +90℃
Maximum short circuit temperature : 250℃
Rated Voltage : 1000/2000V
Test Voltage : 6000VAC 5min

Construction characteristics

CONDUCTOR	MATERIAL	BARE COPPER
	SIZE	**10 AWG**　(6mm^2)
	CONSTRUCTION	76/0.30±0.005mm
	RESISTANCE	≤3.546Ω/km (at **20**℃)
	OD of CONDUCTOR	3.00±0.1 mm
INSULATION	MATERIAL	XLPO / XLPE
		Flame retardant, halogen free, E-Beam cross-linked
	DIAMETER	5.30±0.1 mm
	THICKNESS	1.14±0.05 mm
	COLOUR	BLACK
JACKET	MATERIAL	XLPO / XLPE
		Flame retardant, halogen free, E-Beam cross-linked
	DIAMETER	6.82±0.20mm
	THICKNESS	0.76±0.10 mm
	COLOUR	BLACK
MARKING	(UL) E535462 Type PV Wire 10AWG 90℃ Dry and Wet 1000/2000V Sun Res -40℃ VW-1 EPCOM POWER LINE 　　*****Meter marking	
PACKING	100m/Roll 　***and other options can be provided.	
DRAWING	INSULATION — CONDUCTOR — JACKET	