Photovoltaic Cable 2000 V UL 4703

Technical Sheet

Features

Rated and Listed as PV Wire per UL 4703
Also listed as Type USE-2 / RHW-2 per UL 44.
FV-1 Vertical Flame rating per UL 2556
Meet requirements of UL 854 for Type USE-2
Complete Cable is Led Free and RoHS compliant.

Specifications:

Maximum operating Voltage: 2000 V
Temperature range wet or dry: -40oC ... 90oC

Application:

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For interconnecting wiring of grounded and ungrounded photovoltaic power systems as described in Wiring Systems, Article 690, and other applicable parts of the National Electrical Code (NEC),NFPA 70.

Construction:

Single Copper Conductor 19 strands, Cross linked Polyethylene (XLPE Insulation) Manufactured in North America.

1. **Copper Compressed Conductor.**
2. **Cross-Linked Polyethylene Insulation**.

Photovoltaic Cable XLPE Insulated 2000 Volts

SIZE AWG	No. STRANDS	COND. DIAM	INSULATION THICKNESS	OVERAL DIAM	TOTAL WEIGHT	DC RESISSTANCE 25ºC	Ohms per 1000 foot@60Hz and 90ºC		Single CDR in Air
AWG		in	in	in	LBS/KFT	Ohms/1000 ft	Rac	Reactance XL	Amp
12	19	0.92	0.075	0.235	45	1.65	2.075	0.045	30
10	19	0.115	0.075	0.277	60	1.04	1.039	0.033	40
8	19	0.142	0.085	0.32	90	0.652	0.815	0.038	55
6	19	0.18	0.085	0.36	123	0.411	0.514	0.035	75

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product. Other sizes available upon request.

Impedance: Based on a direct buried plexed confiduration.

Ampacities: Based on NEC Table 310.15 (B)(16) for insulated conductors rated up to and including 2000 Volts, based on ambient temperature of 30°C (86°F) for not more than three current carrying conductor in raceways, cable or direct buried conditions.