

Photovoltaic Cable 2000 V UL 4703

Technical Sheet

Features

Rated and Listed as PV Wire per UL 4703
 Also listed as Type USE-2 (UL854) / RHW-2 per UL 44.
 Sun Res E324841
 Meet requirements of UL 854 for Type USE-2
 Complete Cable is Led Free and RoHS compliant.
 Direct Burrial GR11



Specifications:

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

Application:

Technical Sheet
 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 RESISTANCE 25°C	Ohms per 1000 foot@60Hz and 90°C		Single CDR in Air according to NEC	
AWG		in	in	in	LBS/KFT	Ohms/1000 ft	Rac	Reactance XL	Amp	Amp
12	19	0.92	0.075	0.235	45	1.65	2.075	0.045	30	40
10	19	0.115	0.075	0.264"	60	1.04	1.039	0.033	40	55
8	19	0.142	0.085	0.32	90	0.652	0.815	0.038	55	80
6	7	0.18	0.085	0.36	123	0.411	0.514	0.035	75	105

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 configuration.

Ampicity: Based on NEC Table 310.16. For (Single CDR in Air) - Consult NEC 310.17 of 2023