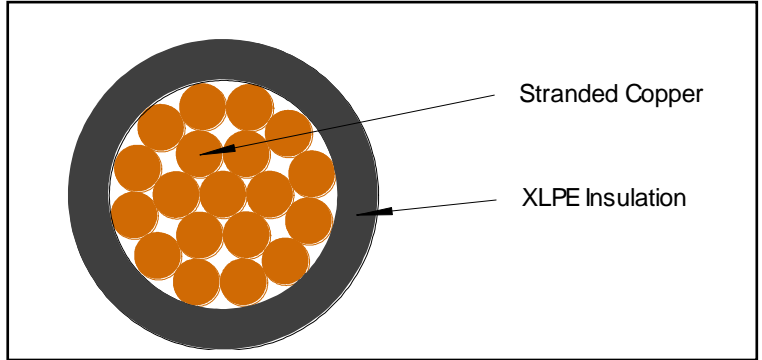


basic wire and cable

3900 N. ROCKWELL ST. CHICAGO, ILLINOIS 60618-3730, TEL: (773) 539-1800, FAX: (773) 539-3500

PHOTOVOLTAIC WIRE

Single Copper Conductor
XLPE Insulation
1000-2000 Volts, -40°C, 90°C Wet/Dry



APPLICATIONS:

Single conductor, sunlight-resistant, direct burial photovoltaic wire rated 90°C wet or dry, 1000-2000 V for interconnection wiring of grounded and ungrounded photovoltaic power systems as described in Section 690.31(A) and other applicable parts of the National Electrical Code (NEC), NFPA 70.

CONSTRUCTION:

Stranded copper conductor, flame-retardant black XLPE (Cross-Linked Polyethylene) insulation "Colors Available", surface printed.

STANDARDS:

1. Copper conductor conforms to ASTM B-3 and B-8.
2. RHW-2 Type (90°C wet/dry) or RHH (90°C dry) per UL 44.
3. PV Type (90°C wet/dry) per UL 4703.
4. Cables (sizes 1/0AWG and larger) passes the IEEE-383, IEEE-1202/CSA FT-4 flame tests.
5. Cables pass the UL 1581 VW-1 flame test.
6. Meets cold bend and cold impact -40°C
7. Cables suitable for sunlight resistant and direct burial applications.
8. Cables meet the requirements of ICEA S-95-658/NEMA WC70.

BASIC CAT.NO.	SIZE AWG/KCMIL	STRD.	INSUL. mils	O.D. in.	WEIGHT lbs/mft
5-504-2K	14	7	75	.224	32
5-505-2K	12	7	75	.244	42
5-506-2K	10	7	75	.268	57
5-507-2K	8	7	85	.326	87
5-508-2K	6	7	85	.363	123
5-509-2K	4	7	85	.406	181
5-510-2K	2	7	85	.474	266
5-511-2K	1	19	105	.538	350
5-512-2K	1/0	19	105	.563	429
5-513-2K	2/0	19	105	.631	527
5-514-2K	3/0	19	105	.674	647
5-515-2K	4/0	19	105	.737	796
5-516-2K	250	37	120	.804	938
5-517-2K	300	37	120	.857	1106
5-518-2K	350	37	120	.907	1257
5-519-2K	400	37	120	.952	1441
5-520-2K	500	37	120	1.035	1737
5-521-2K	600	61	135	1.142	2157
5-522-2K	750	61	135	1.244	2620
5-523-2K	1000	61	135	1.393	3437

**Also available in Aluminum

Information on this sheet subject to change without notice.
SHIPPING TOLERANCE +/- 10%

