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Company, Inc.
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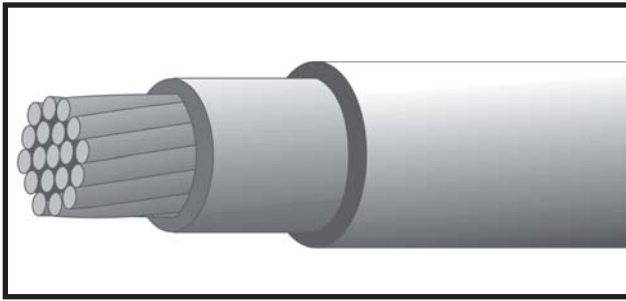


Service Wire Co.
Manufacturing quality. Delivering service.



ENVIROPLUS

Single Conductors



ENVIROPLUS
Photovoltaic Wire
for use with Solar Panels
600 Volt Single Conductor Power Cable
USE-2 or RHH or RHW-2
Zero Halogen, Limited Smoke Jacket

Description:

Single conductor insulated with heat and moisture resistant, cross-linked polyethylene insulation, (Type USE-2), with an overall flame and sunlight resistant, Zero Halogen, Limited Smoke, Zero Lead Jacket. Tinned conductors available.

Applications:

Photovoltaic wire (600 Volt) for use as interconnection wiring on solar panels in grounded or ungrounded systems as defined in applicable parts of the National Electrical Code (NEC) NFPA 70, such as article 690.31(A).

Standards:

UL 4703 (PV Wire)
Conductors UL854 (#16 per UL 66)
Direct Burial Rated
ICEA S-95-658/NEMA WC-70
Flame Rated: VW-1 per UL 1685
Temperature Rating: 90° C Wet and Dry
Sunlight Resistant; Superior Water Resistance
Excellent crush and abrasion resistance
Zero Halogen, Limited Smoke Jacket
RoHS Compliant

Part Number	Size AWG or MCM	Strand (no.)	Insulation Thickness (mils)	Jacket Thickness (mils)	Nominal Diameter Overall (inch)	Approx. Net Weight per 1000 feet (lbs.)	Ampacity* 30° C Ambient 90° C Wet/Dry
PVENV16	16	26	45	30	.210	27	8
PVENV14	14	7	45	30	.223	32	25 †
PVENV12	12	7	45	30	.242	42	30 †
PVENV10	10	7	45	30	.266	57	40 †
PVENV8	8	7	60	30	.326	87	55
PVENV6	6	7	60	45	0.394	134	75
PVENV4	4	7	60	45	0.442	190	95
PVENV3	3	7	60	45	0.470	228	110
PVENV2	2	7	60	45	0.502	276	130
PVENV1	1	19	80	60	0.601	369	150
PVENV1/0	1/0	19	80	60	0.640	446	170
PVENV2/0	2/0	19	80	60	0.684	541	195
PVENV3/0	3/0	19	80	60	0.734	660	225
PVENV4/0	4/0	19	80	60	0.790	808	260
PVENV250	250	37	95	80	0.925	998	290
PVENV300	300	37	95	80	0.979	1186	320
PVENV350	350	37	95	80	1.031	1338	350
PVENV400	400	37	95	80	1.078	1526	380
PVENV500	500	37	95	80	1.163	1840	430
PVENV600	600	61	110	80	1.271	2200	475
PVENV750	750	61	110	80	1.378	2696	535

*Per NEC-Table 310-16.

† The overcurrent protection for items marked with an obelisk (†) shall not exceed 15 amps for 14 AWG, 20 amps for 12 AWG and 30 amps for 10

NOTE: The data shown is approximate and subject to standard industry tolerances.