



Applications

Single conductor, sunlight-resistant, photovoltaic wire rated 90°C wet or dry, 2000V 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

- Rated 90°C wet and dry
- Deformation-resistant at high temperatures
- Excellent moisture resistance, exceeds UL 44
- Stable electrical properties over a broad temperature range
- Excellent resistance to crush and compression cuts
- Resistant to most oils and chemicals
- UV/sunlight-resistant
- Meets cold bend test at -25°C

Construction

- Conductor is tinned coated compressed copper
18 AWG thru 2 AWG: Class C stranding per ASTM B33 and B8
1 AWG thru 4/0 AWG: Class B stranding per ASTM B33 and B8
- Insulation is flame-retardant Cross-Linked Polyethylene (XLPE) – Black

Specifications

- UL 4703 Type PV
- National Electrical Code (NEC)
- ICEA S-95-658/NEMA WC70
- UL 44 Type RHH/RHW-2
- Meets requirements of UL 854 Type USE for 600V
- UL 1581 VW-1
- For sizes 1/0 and larger: IEEE 383, IEEE 1202/CSA FT-4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP
- OSHA Acceptable

Options

- Bare copper conductor
- Other stranding options are available upon request
- Colors available on request

Item #	Conductor Size AWG	Conductor Stranding	Nominal Conductor O.D. (in)	Nominal Conductor O.D. (mm)	Nominal Insulation (in)	Nominal Insulation (mm)	Nominal Cable O.D. (in)	Nominal Cable O.D. (mm)	Copper Weight /MFT (lb)	Nominal Weight /MFT (lb)
SUN-18	18	19/.0092	0.045	1.14	0.075	1.9	0.204	5.18	5	16
SUN-16	16	19/.0117	0.056	1.42	0.075	1.9	0.215	5.46	8	21
SUN-14	14	19/.0142	0.07	1.78	0.075	1.9	0.229	5.82	13	32
SUN-12	12	19/.0185	0.088	2.23	0.075	1.9	0.248	6.3	20	42
SUN-10	10	19/.0234	0.112	2.84	0.075	1.9	0.298	7.57	32	57
SUN-8	8	19/.0295	0.143	3.63	0.085	2.16	0.325	8.25	50	87
SUN-6	6	19/.0372	0.184	4.67	0.085	2.16	0.39	9.9	81	123
SUN-4	4	19/.0469	0.234	5.94	0.085	2.16	0.445	11.3	129	181
SUN-2	2	19/.0526	0.296	7.52	0.085	2.16	0.5	12.7	205	266
SUN-1	1	19/.0664	0.323	8.2	0.105	2.67	0.6	15.24	258	350
SUN-1/0	1/0	19/.0740	0.37	9.4	0.105	2.67	0.655	16.64	326	429
SUN-2/0	2/0	19/.0837	0.41	10.41	0.105	2.67	0.71	18.03	411	527
SUN-3/0	3/0	19/.0940	0.46	11.68	0.105	2.67	0.76	19.3	518	647
SUN-4/0	4/0	19/.1055	0.52	13.21	0.105	2.67	0.82	20.83	653	796

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