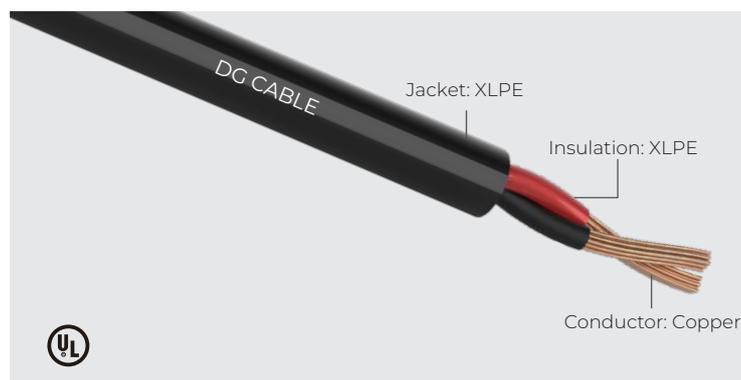


SUNKEAN

DG Control Pallet Cable



Advantage

- UV resistant
- Oil resistant
- Direct burial
- Flame test FT4, VW-1
- More economical

Characteristics

- **Rated Voltage**
600V
- **Test Voltage**
2000V
- **Temperature Rating**
-40°C to +90°C
- **According to**
UL3003, UL44
- **Certificate Number**
E540388

Cable Structure

- **Conductor:** Multiple strands soft annealed copper wire
- **Insulation:** XLPE
- **Assembly:** Cabled with non hygroscopic fillers, as required and binder tape
- **Jacket:** XLPE

Test Item

- **Flame Test** acc. to UL3003, Clause 15
- **Limited Smoke** acc. to UL3003, Clause 16
- **UV-resistant** acc. to UL3003, Clause 20
- **Impact Test** acc. to UL3003, Clause 23

Application

Distributed generation (DG) cable. The cable is intended for use with specific distributed generation equipment/devices such as photovoltaic modules, inverters, solar trackers, etc. DG Cable is suitable for use between cable trays and utilization.

2 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω/km, 20°C)
2x18	1.17	0.76	1.14	8.20±0.50	69.5	21.80
2x16	1.50	0.76	1.14	8.80±0.50	85.9	13.70
2x14	1.90	0.76	1.14	9.60±0.50	108.7	8.62
2x12	2.36	0.76	1.14	10.60±0.50	141.4	5.43
2x10	3.00	0.76	1.14	12.00±0.50	193.6	3.409

3 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω/km, 20°C)
3x18	1.17	0.76	1.14	8.60±0.50	84.8	21.80
3x16	1.50	0.76	1.14	9.30±0.50	107.0	13.70
3x14	1.90	0.76	1.14	10.20±0.50	138.1	8.62
3x12	2.36	0.76	1.14	11.20±0.50	183.5	5.43
3x10	3.00	0.76	1.14	12.70±0.50	256.1	3.409

DG Control Pallet Cable

4 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω /km, 20°C)
4x18	1.17	0.76	1.14	9.30±0.50	103.3	21.80
4x16	1.50	0.76	1.14	10.20±0.50	131.8	13.70
4x14	1.90	0.76	1.14	11.20±0.50	172.0	8.62
4x12	2.36	0.76	1.14	12.30±0.50	230.9	5.43
4x10	3.00	0.76	1.52	14.70±0.50	349.7	3.409

5 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω /km, 20°C)
5x18	1.17	0.76	1.14	10.10±0.50	122.5	21.80
5x16	1.50	0.76	1.14	11.00±0.50	157.6	13.70
5x14	1.90	0.76	1.14	12.20±0.50	207.1	8.62
5x12	2.36	0.76	1.14	13.40±0.50	279.9	5.43
5x10	3.00	0.76	1.52	15.90±0.50	423.3	3.409

7 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω /km, 20°C)
7x18	1.17	0.76	1.14	10.90±0.50	148.9	21.80
7x16	1.50	0.76	1.14	11.90±0.50	194.6	13.70
7x14	1.90	0.76	1.14	13.20±0.50	259.2	8.62
7x12	2.36	0.76	1.52	15.30±0.50	380.7	5.43
7x10	3.00	0.76	1.52	17.20±0.80	539.3	3.409

8 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω /km, 20°C)
8x18	1.17	0.76	1.14	11.70±0.80	174.7	21.80
8x16	1.50	0.76	1.14	12.80±0.80	228.6	13.70
8x14	1.90	0.76	1.52	15.00±0.80	329.5	8.62
8x12	2.36	0.76	1.52	16.50±0.80	445.2	5.43
8x10	3.00	0.76	1.52	18.70±0.80	631.3	3.409

10 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω /km, 20°C)
10x18	1.17	0.76	1.52	14.50±0.80	238.6	21.80
10x16	1.50	0.76	1.52	15.80±0.80	307.9	13.70
10x14	1.90	0.76	1.52	17.50±1.00	405.7	8.62
10x12	2.36	0.76	1.52	19.30±1.00	549.9	5.43
10x10	3.00	0.76	2.03	22.80±1.00	833.1	3.409

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12 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω /km, 20°C)
12x18	1.17	0.76	1.52	14.90±0.80	238.6	21.80
12x16	1.50	0.76	1.52	16.30±0.80	307.6	13.70
12x14	1.90	0.76	1.52	18.00±1.00	405.7	8.62
12x12	2.36	0.76	1.52	19.90±1.00	549.9	5.43
12x10	3.00	0.76	2.03	23.50±1.00	833.1	3.409

14 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω /km, 20°C)
14x18	1.17	0.76	1.52	15.60±0.80	301.7	21.80
14x16	1.50	0.76	1.52	17.30±1.00	394.8	13.70
14x14	1.90	0.76	1.52	18.80±1.00	526.7	8.62
14x12	2.36	0.76	1.52	20.90±1.20	722.5	5.43
14x10	3.00	0.76	2.03	24.70±1.20	1094.1	3.409

16 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω /km, 20°C)
16x18	1.17	0.76	1.52	16.50±0.80	336.1	21.80
16x16	1.50	0.76	1.52	17.80±1.00	441.7	13.70
16x14	1.90	0.76	1.52	19.80±1.00	591.3	8.62
16x12	2.36	0.76	2.03	23.00±1.20	865.4	5.43
16x10	3.00	0.76	2.03	26.00±1.20	1231.8	3.409

19 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω /km, 20°C)
19x18	1.17	0.76	1.52	17.50±1.00	374.5	21.80
19x16	1.50	0.76	1.52	18.80±1.00	495.6	13.70
19x14	1.90	0.76	1.52	20.80±1.20	667.7	8.62
19x12	2.36	0.76	2.03	24.20±1.20	979.1	5.43
19x10	3.00	0.76	2.03	27.40±1.20	1402.4	3.409

24 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω /km, 20°C)
24x18	1.17	0.76	1.52	19.90±1.00	463.8	21.80
24x16	1.50	0.76	2.03	23.00±1.20	667.2	13.70
24x14	1.90	0.76	2.03	25.50±1.20	889.3	8.62
24x12	2.36	0.76	2.03	28.00±1.50	1219.6	5.43
24x10	3.00	0.76	2.03	32.00±1.50	1752.4	3.409

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30 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω /km, 20°C)
30x18	1.17	0.76	1.52	21.00±1.20	572.7	21.80
30x16	1.50	0.76	2.03	24.20±1.20	819.0	13.70
30x14	1.90	0.76	2.03	26.80±1.50	1098.5	8.62
30x12	2.36	0.76	2.03	29.80±1.50	1514.5	5.43
30x10	3.00	0.76	2.03	33.80±1.50	2186.6	3.409

37 Core

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω /km, 20°C)
37x18	1.17	0.76	2.03	23.60±1.20	717.7	21.80
37x16	1.50	0.76	2.03	26.00±1.20	952.4	13.70
37x14	1.90	0.76	2.03	28.80±1.50	1286.2	8.62
37x12	2.36	0.76	2.03	32.00±1.50	1785.5	5.43
37x10	3.00	0.76	2.03	36.50±1.50	2593.1	3.409

Note: Please refer to the above technical reference number for your reference, please check the technical section of our department for your request.