

## UL3271



### Advantage

- Easy stripping and cutting
- High flexibility
- UV resistance
- Ozone resistance
- UL VW-1 & CSA FT1 & FT2
- More economical

### Characteristics

- **Temperature Rating**  
125°C
- **Rated Voltage**  
600V
- **Min. Bending Radius**  
Fixed installation 10x cable Ø
- **According To**  
UL758, UL1581
- **Certificate Number**  
E522621

### Cable Structure

- **Conductor:** Solid or Stranded, tinned or bare copper conductor  
30AWG-2000kcmil
- **Insulation:** XLPO All colour

### Test Item

- **Uniform Insulation Thickness Of Wire To Ensure Easy Stripping And Cutting**
- **Environmental Testing Pass RoHS**
- **Passes UL VW-1 & CSA FT1 Vertical Flame Test**

### Application

Used for electrical internal system connection, inverter connection and energy storage battery pack connection, with high temperature resistance, UV resistance, acid and alkali resistance, soft and easy to bend and other advantages.

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω/km, 20°C)
24	0.6	0.76	2.20±0.15	5.7	94.20
22	0.8	0.76	2.40±0.15	6.9	59.40
20	0.9	0.76	2.60±0.15	8.5	36.70
18	1.2	0.76	2.80±0.15	10.8	23.20
16	1.5	0.76	3.10±0.15	14.2	14.60
14	1.9	0.76	3.50±0.15	20.0	8.960
12	2.4	0.76	4.00±0.15	28.2	5.640
10	3.0	0.76	4.60±0.15	41.0	3.546
8	4.0	0.76	6.50±0.30	61.7	2.230
6	5.1	1.14	7.50±0.30	102.9	1.403
4	6.4	1.14	9.00±0.50	152.9	0.882
2	8.2	1.14	10.60±0.50	229.9	0.5548
1	9.1	1.14	12.00±0.50	356.0	0.4398
1/0	10.3	1.40	13.50±0.50	446.4	0.3487
2/0	11.6	1.40	14.50±0.50	553.1	0.2766
3/0	13.1	1.40	16.00±0.50	688.2	0.2194
4/0	14.7	1.40	17.80±0.50	854.1	0.1722

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