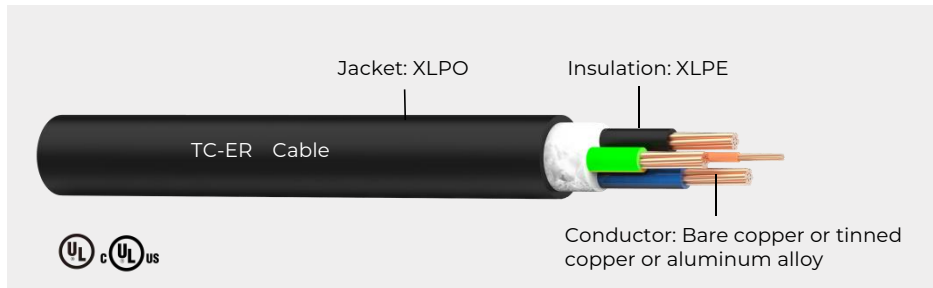


TC-ER Power Pallet Cable



Advantage

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

Characteristics

- Temperature range
-40°C to +90°C
- Rated voltage
600V
- Test voltage:
2000V
- Ground
Yellow / Green
- According to
UL 1277 / UL 44
- Certificate Number
E 533209

Cable Structure

- Conductor
Optional bare copper conductor (ASTM B3), tinned conductor (ASTM B33), aluminum alloy conductor (AA8000)
- Insulation
XLPE
- Assembly
cabled with non hygroscopic fillers, as required and binder tape
- Jacket
XLPO

Test Item

- UV-resistant
acc. to UL 1277, Clause 20
- Flame retardant
acc. to UL 1277, Clause 15
- Limited Smoke
acc. to UL 1277, Clause 16
- Impact Test
acc. to UL 1277, Clause 23

Application

This cable is suitable for electric motor power supply of wiring system in photovoltaic power station, residential, commercial and industrial environment, and connection of other power supply equipment in industrial environment. It is mainly installed through cable racks, cable pipelines and outdoor application equipment supported by slings, and can also be directly buried in underground pipelines.

2 Core

Cross Section (AWG/ kcmil)	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)
2×8+1×10	3.50	1.14	1.52	15.50±0.80	372.0	2.14
2×6+1×8	4.40	1.14	1.52	17.70±0.80	536.4	1.35
2×4+1×8	5.60	1.14	1.52	19.70±1.00	715.7	0.848
2×2+1×6	7.00	1.14	2.03	23.50±1.00	1081.3	0.534
2×1+1×6	7.80	1.40	2.03	26.50±1.50	1315.3	0.423
2×1/0+1×6	8.80	1.40	2.03	28.30±1.50	1550.6	0.335
2×2/0+1×6	9.80	1.40	2.03	30.60±1.50	1854.3	0.266
2×3/0+1×4	11.30	1.40	2.03	33.60±1.50	2316.6	0.211
2×4/0+1×4	12.50	1.40	2.03	36.00±1.50	2768.4	0.167
2×250+1×4	13.50	1.65	2.03	39.00±1.50	3182.3	0.142
2×300+1×3	14.60	1.65	2.03	41.30±1.50	3746.5	0.118
2×350+1×3	15.80	1.65	2.79	45.30±1.50	4406.1	0.101
2×500+1×2	19.00	1.65	2.79	51.60±1.80	6018.4	0.0709
2×750+1×1	23.50	2.03	2.79	62.20±1.80	8814.0	0.0472

3 Core

Cross Section (AWG/ kcmil)	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)
3×8+1×10	3.50	1.14	1.52	16.40±0.80	474.6	2.14
3×6+1×8	4.40	1.14	1.52	19.60±0.80	705.3	1.35
3×4+1×8	5.60	1.14	2.03	22.80±1.00	1016.2	0.848
3×2+1×6	7.00	1.14	2.03	25.80±1.00	1454.8	0.534
3×1+1×6	7.80	1.40	2.03	28.50±1.50	1776.9	0.423
3×1/0+1×6	8.80	1.40	2.03	30.50±1.50	2106.2	0.335
3×2/0+1×6	9.80	1.40	2.03	32.60±1.50	2543.2	0.266
3×3/0+1×4	11.30	1.40	2.03	35.80±1.50	3172.3	0.211
3×4/0+1×4	12.50	1.40	2.03	38.40±1.50	3829.4	0.167
3×250+1×4	13.50	1.65	2.03	41.70±1.50	4423.1	0.142
3×300+1×3	14.60	1.65	2.79	45.50±1.50	5375.5	0.118
3×350+1×3	15.80	1.65	2.79	48.10±1.50	6123.1	0.101
3×500+1×2	19.00	1.65	2.79	55.00±1.80	8434.0	0.0709
3×750+1×1	23.50	2.03	2.79	66.30±1.80	12439.8	0.0472

4 Core

Cross Section (AWG/ kcmil)	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)
4×8+1×10	3.50	1.14	1.52	18.80±0.80	604.5	2.14
4×6+1×8	4.40	1.14	2.03	22.50±0.80	928.1	1.35
4×4+1×8	5.60	1.14	2.03	25.10±1.00	1280.7	0.848
4×2+1×6	7.00	1.14	2.03	28.60±1.00	1843.9	0.534
4×1+1×6	7.80	1.40	2.03	32.00±1.50	2273.8	0.423
4×1/0+1×6	8.80	1.40	2.03	34.10±1.50	2713.6	0.335
4×2/0+1×6	9.80	1.40	2.03	36.30±1.50	3288.6	0.266
4×3/0+1×4	11.30	1.40	2.03	40.20±1.50	4104.1	0.211
4×4/0+1×4	12.50	1.40	2.03	42.80±1.50	4964.8	0.167
4×250+1×4	13.50	1.65	2.79	47.60±1.50	5900.1	0.142
4×300+1×3	14.60	1.65	2.79	50.30±1.80	6953.3	0.118
4×350+1×3	15.80	1.65	2.79	53.30±1.50	7942.8	0.101
4×500+1×2	19.00	1.65	2.79	61.00±1.80	10984.2	0.0709
4×750+1×1	23.50	2.03	3.56	75.20±2.50	16521.3	0.0472