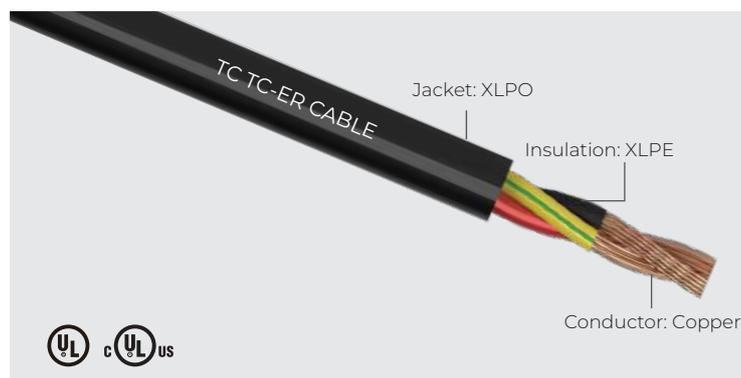


TC TC-ER Control Pallet Cable



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**
UL1277, UL44
- **Certificate Number**
E533209

Cable Structure

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

Test Item

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

Application

The cable is suitable for industrial equipment installation projects, control circuits, photovoltaic inverters and other control system cables, mainly through the cable rack, cable tube installation, outdoor applications with sling support, can also be directly buried.

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

TC TC-ER 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

TC TC-ER Control Pallet Cable

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

TC TC-ER Control Pallet Cable

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.