

Tray Cable UL Type TC / TC-ER-JP – 600V XHHW Insulation – PVC Jacket



APPLICATION:

Primarily used for power, control, signal, communication, and lighting circuits in commercial and industrial environments. Suitable for installation in cable trays, supported by messenger wire in open air, raceways, channels, conduits, and ducts. Approved for direct burial, joist pull applications, and outdoors in cable trays where sunlight resistance is required. Also, may be installed in wet or dry locations or in areas exposed to chemicals and oils.

CONDUCTORS:

- Fully annealed stranded bare copper per ASTM B3 and B8

INSULATION:

- Flame retardant crosslinked polyethylene (XLPE) insulation

COLOR CODE:

ICEA S-58-679 Method 1, Table E-2

ICEA Method 1, Table E-1 Color Code Available

Cond #	Color	Tracer	Cond #	Color	Tracer	Cond #	Color	Tracer
1	Black	--	13	Blue	Red	25	Yellow	Orange
2	Red	--	14	Orange	Red	26	Brown	Orange
3	Blue	--	15	Yellow	Red	27	Black	Yellow
4	Orange	--	16	Brown	Red	28	Red	Yellow
5	Yellow	--	17	Black	Blue	29	Blue	Yellow
6	Brown	--	18	Red	Blue	30	Orange	Yellow
7	Red	Black	19	Orange	Blue	31	Brown	Yellow
8	Blue	Black	20	Yellow	Blue	32	Black	Brown
9	Orange	Black	21	Brown	Blue	33	Red	Brown
10	Yellow	Black	22	Black	Orange	34	Blue	Brown
11	Brown	Black	23	Red	Orange	35	Orange	Brown
12	Black	Red	24	Blue	Orange	36	Yellow	Brown

Pair cables are Black, Red and numbered. Triad cables are Black, Red, Blue and numbered. Colors repeats after 36 conductors. There are no Green or White conductors or stripes.

ASSEMBLY:

- Conductors are cabled together with or without fillers as required to form a round compact cable core with binder tape

JACKET:

- Flame and Sunlight resistant black PVC rated 90°C

STANDARDS:

- ASTM B3, B8
- UL 44 Type XHHW-2
- UL 1685 Vertical-Tray Fire-Propagation and Smoke-Release Test
- NFPA 70 National Electrical Code
- Approved as Type TC or TC-ER-JP, Sunlight Resistant, Direct Burial
- Approved for Class 1 or 2, Division 2 industrial hazardous locations per NEC
- IEEE 1202 70,000 BTU Flame Test



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Part Number	Conductor Size	No. of Conductors	No. of Strands	Insulation Thickness		Jacket Thickness		Overall Diameter	Net Weight
	AWG			inches	mm	inches	mm	inches	lbs/kft
14-02TC-XLP**	14	2	7	0.030	0.76	0.045	1.14	0.235 x 0.370	71
14-03TC-XLP	14	3	7	0.030	0.76	0.045	1.14	0.390	85
14-04TC-XLP	14	4	7	0.030	0.76	0.045	1.14	0.425	105
14-05TC-XLP	14	5	7	0.030	0.76	0.045	1.14	0.465	125
14-07TC-XLP	14	7	7	0.030	0.76	0.045	1.14	0.505	173
14-09TC-XLP	14	9	7	0.030	0.76	0.060	1.52	0.620	241
14-12TC-XLP	14	12	7	0.030	0.76	0.060	1.52	0.680	302
14-15TC-XLP	14	15	7	0.030	0.76	0.060	1.52	0.715	339
14-19TC-XLP	14	19	7	0.030	0.76	0.080	2.03	0.810	448
14-25TC-XLP	14	25	7	0.030	0.76	0.080	2.03	0.985	631
14-30TC-XLP	14	30	7	0.030	0.76	0.080	2.03	1.040	721
14-37TC-XLP	14	37	7	0.030	0.76	0.080	2.03	1.130	867
12-02TC-XLP **	12	2	7	0.030	0.76	0.045	1.14	0.250 x 0.410	95
12-03TC-XLP	12	3	7	0.030	0.76	0.045	1.14	0.435	135
12-04TC-XLP	12	4	7	0.030	0.76	0.045	1.14	0.475	168
12-05TC-XLP	12	5	7	0.030	0.76	0.060	1.52	0.550	214
12-07TC-XLP	12	7	7	0.030	0.76	0.060	1.52	0.600	290
12-09TC-XLP	12	9	7	0.030	0.76	0.060	1.52	0.690	360
12-12TC-XLP	12	12	7	0.030	0.76	0.060	1.52	0.760	423
12-19TC-XLP	12	19	7	0.030	0.76	0.080	2.03	0.950	663
12-25TC-XLP	12	25	7	0.030	0.76	0.080	2.03	1.080	850
12-30TC-XLP	12	30	7	0.030	0.76	0.080	2.03	1.170	1003
12-37TC-XLP	12	37	7	0.030	0.76	0.080	2.03	1.270	1211
10-02TC-XLP **	10	2	7	0.030	0.76	0.045	1.14	0.275 x 0.460	131
10-03TC-XLP	10	3	7	0.030	0.76	0.045	1.14	0.480	169
10-04TC-XLP	10	4	7	0.030	0.76	0.060	1.52	0.560	231
10-05TC-XLP	10	5	7	0.030	0.76	0.060	1.52	0.615	276
10-07TC-XLP	10	7	7	0.030	0.76	0.060	1.52	0.670	328
10-09TC-XLP	10	9	7	0.030	0.76	0.060	1.52	0.780	465
10-12TC-XLP	10	12	7	0.030	0.76	0.080	2.03	0.900	629
10-19TC-XLP	10	19	7	0.030	0.76	0.080	2.03	1.070	900

All values are nominal and subject to correction

**Flat Construction, not “-ER-JP” rated.



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