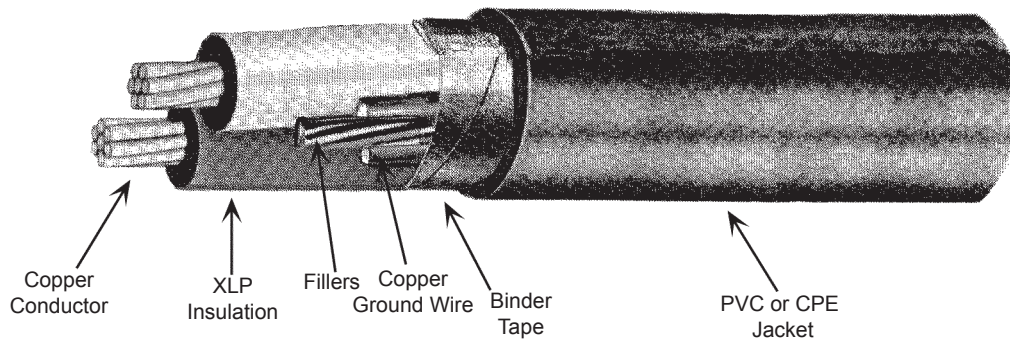


**TYPE TC, TYPE TC-ER TRAY CABLE, 600 VOLT  
CROSS-LINKED POLYETHYLENE INSULATION (XHHW-2)  
WITH FILLERS**

**SPEC 6-15-1.1**

Ver. 7.1

Revised: 01/20/09



**90°C CONDUCTOR TEMPERATURE WET OR DRY**

Conductor			Insulation in Mils	Overall Jacket in Mils	Size AWG Copper Ground Wire	Approximate O.D. in Inches	Ampacity		Approximate Net Weight LBS/KFT
Size AWG or KCMIL	No. of Strands*	Nominal O.D.					90°C <sup>1</sup>	90°C <sup>2</sup>	

**TWO CONDUCTOR 600 VOLT**

8	7	0.14	45	60	8	0.64	55	48	260
6	7	0.18	45	60	8	0.71	75	65	340
4	7	0.23	45	60	8	0.80	95	89	460
2	7	0.28	45	80	6	0.96	130	119	715
1	19	0.32	55	80	6	1.08	150	137	875
1/0	19	0.36	55	80	6	1.16	170	163	1040
2/0	19	0.41	55	80	6	1.23	195	186	1245
3/0	19	0.46	55	80	4	1.35	225	214	1550
4/0	19	0.51	55	80	4	1.46	260	253	1865
250	37	0.56	65	80	4	1.60	290	276	2180
300	37	0.61	65	110	3	1.76	320	317	2670
350	37	0.66	65	110	3	1.86	350	345	3035
400	37	0.71	65	110	3	1.95	380	371	3400
500	37	0.79	65	110	2	2.12	430	427	4155
600	61	0.87	80	110	2	2.34	475	468	4945
750	61	0.97	80	110	1	2.54	535	529	6070
1000	61	1.12	80	140	1/0	2.90	615	617	8055

**Note:** Based on cables installed in uncovered cable tray at the conductor temperature indicated, 30°C ambient temperature per NEC.

<sup>2</sup>Based on cables in raceway in free air, 30°C ambient temperature per NEC.

\*19W strand is combination unilay per ASTM 787.

The above data is approximate and subject to normal manufacturing tolerances.

**STANDARDS AND RATINGS:**

1. Listed by UL as Type TC per Standard 1277 & IEEE 1202.
2. Listed by UL as Type TC-ER per Standard 1277. (4AWG & larger, PVC jacketed only)
3. Conforms to ICEA S-95-658/NEMA WC70 Nonshielded 0-2KV Cables.
4. Listed by UL as Sunlight Resistant.
5. Listed by UL as Direct Burial.

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