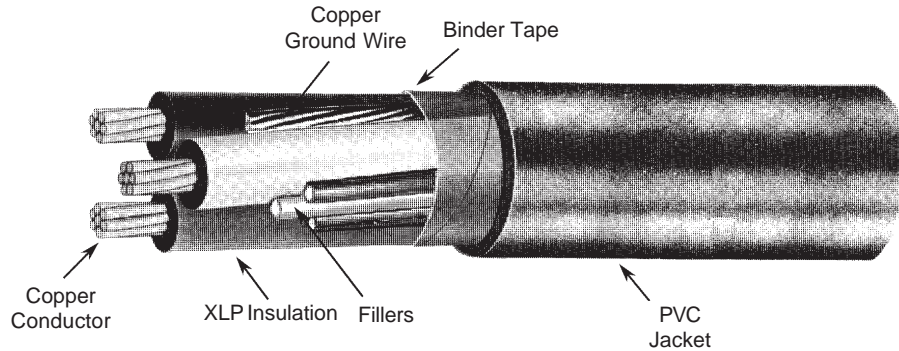


**TYPE TC TRAY CABLE, 600 VOLT,
CROSS-LINKED POLYETHYLENE INSULATION (RHW-2/USE-2)**

SPEC 6-45-2

Ver. 7.0

Revised: 06/05/06



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 ¹	90°C ²	

THREE CONDUCTOR 600 VOLT

8	7	0.14	60	60	8	0.75	55	48	360
6	7	0.18	60	60	8	0.82	75	65	475
4	7	0.23	60	80	8	0.97	95	89	690
2	7	0.28	60	80	6	1.09	130	119	1000
1	19	0.32	80	80	6	1.27	150	137	1260
1/0	19	0.36	80	80	6	1.36	170	163	1505
2/0	19	0.41	80	80	6	1.45	195	186	1805
3/0	19	0.46	80	80	4	1.56	225	214	2235
4/0	19	0.51	80	80	4	1.68	260	253	2705
250	37	0.56	95	110	4	1.91	290	276	3290
300	37	0.61	95	110	3	2.02	320	317	3860
350	37	0.66	95	110	3	2.13	350	345	4400
400	37	0.71	95	110	3	2.23	380	371	4940
500	37	0.79	95	110	2	2.41	430	427	6030
600	61	0.87	110	110	2	2.64	475	468	7185
750	61	0.97	110	140	1	2.92	535	529	8980
1000	61	1.12	110	140	1/0	3.24	615	617	11660

FOUR CONDUCTOR 600 VOLT

8	7	0.14	60	60	8	0.82	44	38	440
6	7	0.18	60	60	8	0.94	60	52	620
4	7	0.23	60	80	8	1.06	76	71	860
2	7	0.28	60	80	6	1.20	104	95	1255
1	19	0.32	80	80	6	1.40	120	110	1595
1/0	19	0.36	80	80	6	1.49	136	130	1910
2/0	19	0.41	80	80	6	1.60	156	149	2310
3/0	19	0.46	80	80	4	1.78	180	171	2950
4/0	19	0.51	80	110	4	1.92	208	202	3575
250	37	0.56	95	110	4	2.11	232	221	4215
300	37	0.61	95	110	3	2.24	256	254	4950
350	37	0.66	95	110	3	2.36	280	276	5660
400	37	0.71	95	110	3	2.46	304	297	6365
500	37	0.79	95	110	2	2.67	344	342	7785
600	61	0.87	110	140	2	2.99	380	374	9460
750	61	0.97	110	140	1	3.24	428	423	11605
1000	61	1.12	110	140	1/0	3.60	492	494	15105

Note:¹Based on cables installed in uncovered cable tray at the conductor temperature indicated, 30°C ambient temperature per NEC. The above data is approximate and subject to normal manufacturing tolerances.

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

*19W strand is combination unilay per ASTM 787.

STANDARDS AND RATINGS:

1. Conforms to ICEA S-95-658/NEMA WC70 Nonshielded 0-2KV Cables.
2. Conductors conforms to CSA C22.2 No.38 Thermoset Insulated Wires and Cables.

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