

General Cable's STABILOY® Brand Tray Cable Type TC is designed to be used in cable trays for service, feeder and branch circuit applications.

STABILOY Brand Tray Cable is a cable assembly, consisting of three or four insulated aluminum alloy conductors cabled together with a bare equipment grounding conductor and non-hygroscopic fillers wrapped with binding tape, with a PVC jacket applied over the taped assembly. This cable uses XHHW-2 conductors that are phase identified, including one insulated black conductor, one insulated white conductor, and one insulated conductor with a single longitudinal red stripe. If provided, a fourth insulated conductor has a single longitudinal blue stripe. Flexible and lightweight, STABILOY Brand aluminum alloy feeder conductors weigh half as much as copper conductors of equal ampacity.

Product Features:

- Phase conductors are insulated with cross-linked polyethylene (XLPE) are rated for a maximum operating temperature of 90° C in dry and wet locations
- Compact stranded conductors (AA-8030 aluminum alloy) are lightweight for easier lifting and handling with 25% more flexibility and 40% less springback than copper conductors of similar ampacity
- PVC jacket is sunlight resistant, moisture resistant and flame retardant
- Insulation is free of harmful heavy metals in compliance with RoHS, Directive 2002/95/EC
- Terminates safely with industry standard dual rated aluminum lugs
- Meets the requirements of Underwriters Laboratories Inc., Standard 1277 for Type TC Power and Control Tray Cables, Standard 44 for insulated conductors
- Recognized by ASTM in Standards B800, B801, and B836

Application:

- Used to supply power to motors and other electrical devices
- Listed for direct burial, wet locations, and sunlight resistance
- Approved for use in Class I and II, Division 2 hazardous locations.
- Approved for use in cable trays, raceways, outdoor locations and where supported by a messenger wire, in accordance with the requirements of the National Electrical Code®



Conductor Size (AWG or kcmil)		Insulation/Jacket Thickness (mils)		Nominal Diameter (inches)	Nominal Weight (LBS/1000 FT)	Package Length (feet)	Ampacity*	
Phase	Ground	Insulation	Jacket				90° C	75° C
THREE CONDUCTOR with Ground - XLPE (XHHW-2)								
6	6	45	60	0.75	234	1000	60	50
4	6	45	60	0.86	328	1000	75	65
2	6	45	80	0.96	430	1000	100	90
1	4	55	80	1.08	550	1000	115	100
1/0	4	55	80	1.15	635	1000	135	120
2/0	4	55	80	1.24	745	1000	150	135
3/0	4	55	80	1.34	875	1000	175	155
4/0	2	55	80	1.45	1065	1000	205	180
250	2	65	80	1.59	1246	500	230	205
300	2	65	110	1.76	1525	500	255	230
300	1/0	65	110	1.76	1562	500	260	230
350	2	65	110	1.86	1707	500	280	250
400	1	65	110	1.95	1878	500	305	270
500	1	65	110	2.11	2237	500	350	310
600	1	80	110	2.34	2679	500	385	340
700	1/0	80	110	2.48	3047	500	420	375
750	1/0	80	110	2.55	3215	500	435	385
900	250	80	140	2.80	4031	500	480	425
900	400	80	140	2.92	4230	500	480	425
900	750	80	140	3.20	4724	500	480	425
FOUR CONDUCTOR with Ground - XLPE (XHHW-2)								
6	6	45	80	0.87	315	1000	48	50
4	6	45	80	0.95	400	1000	60	52
2	6	45	80	1.06	529	1000	80	72
1	4	55	80	1.21	683	1000	92	80
1/0	4	55	80	1.28	794	1000	108	96
2/0	4	55	80	1.36	937	1000	120	108
3/0	4	55	80	1.46	1107	1000	140	124
4/0	2	55	80	1.61	1351	1000	164	144
250	1	65	110	1.83	1704	500	184	164
300	1	65	110	1.93	1945	500	204	184
350	1/0	65	110	2.06	2167	500	224	200
400	1/0	65	110	2.15	2409	500	244	216
500	2/0	65	110	2.34	2905	500	280	248
600	2/0	80	110	2.59	3465	500	308	272
700	2/0	80	140	2.80	4073	500	336	300
750	3/0	80	140	2.87	4342	500	348	308
750	750	80	140	3.35	5152	500	435	385
900	3/0	80	140	3.11	5039	500	480	425
900	250	80	140	3.15	5141	500	480	425
900	400	80	140	3.28	5360	500	480	425
900	750	80	140	3.53	5853	500	480	425



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