

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. The sub-assembly is then wrapped with binding tape and a PVC jacket is 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) and 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 terminals and connectors
- Meets the requirements of Underwriters Laboratories Inc.; Standard 1277 for Type TC Power and Control Tray Cables and Standard 44 for thermoset-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	0.76	234	1000	75	50
4	6	45	60	0.82	293	1000	75	65
2	6	45	80	0.95	431	1000	100	90
1	4	55	80	1.08	544	1000	115	100
1/0	4	55	80	1.14	629	1000	135	120
2/0	4	55	80	1.22	739	1000	150	135
3/0	4	55	80	1.32	872	1000	175	155
4/0	2	55	80	1.43	1061	1000	205	180
250	2	65	80	1.57	1238	500	230	205
300	2	65	110	1.74	1524	500	260	230
300	1/0	65	110	1.74	1559	500	260	230
350	2	65	110	1.83	1711	500	280	250
400	1	65	110	1.94	1888	500	305	270
500	1	65	110	2.11	2251	500	350	310
600	1	80	110	2.34	2692	500	385	340
700	1/0	80	110	2.47	3069	500	425	375
750	1/0	80	110	2.54	3244	500	435	385
900	250	80	140	2.80	4059	500	480	425
900	400	80	140	2.91	4271	500	480	425
900	750	80	140	3.19	5786	500	480	425
FOUR CONDUCTOR with Ground - XLPE (XHHW-2)								
6	6	45	80	0.87	315	1000	55	50
4	6	45	80	0.95	400	1000	75	65
2	6	45	80	1.06	526	1000	100	90
1	4	55	80	1.21	683	1000	115	100
1/0	4	55	80	1.28	797	1000	135	120
2/0	4	55	80	1.36	928	1000	150	135
3/0	4	55	80	1.46	1097	1000	175	155
4/0	2	55	80	1.61	1346	1000	205	180
250	1	65	110	1.83	1704	500	230	205
300	1	65	110	1.93	1948	500	260	230
350	1/0	65	110	2.05	2217	500	280	250
400	1/0	65	110	2.15	2416	500	305	270
500	2/0	65	110	2.34	2906	500	350	310
600	2/0	80	110	2.59	3477	500	385	340
700	2/0	80	140	2.80	4094	500	425	375
750	3/0	80	140	2.88	4363	500	435	385
750	750	80	140	3.34	5234	500	435	385
900	3/0	80	140	3.10	5067	500	480	425
900	250	80	140	3.13	5163	500	480	425
900	400	80	140	3.28	5405	500	480	425
900	750	80	140	3.53	5919	500	480	425



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