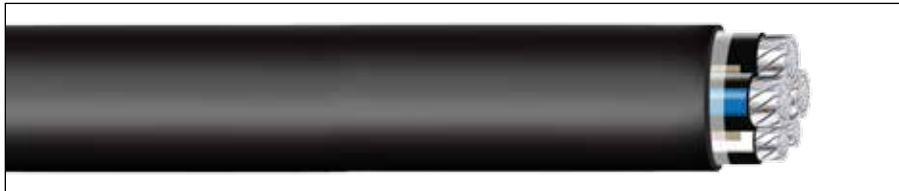


STABILOY® Brand Tray Cable

XLPE, Low-Voltage Power
600 V, UL Type TC-ER, Multi-Conductor, Aluminum



COND. SIZE (AWG/kcmil)	GROUND SIZE	MIN. AVG. INSULATION THICKNESS		ASSEMBLY DIAMETER UNDER JACKET		JACKET THICKNESS		DIAMETER OVER JACKET		ALUMINUM CONDUCTOR WEIGHT		NET WEIGHT	
		IN	mm	IN	mm	IN	mm	IN	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km

THREE CONDUCTORS WITH GROUND

6*	6	0.045	1.14	0.61	15.5	0.060	1.5	0.735	18.7	99	147	225	335
4*	6	0.045	1.14	0.68	17.3	0.080	2.0	0.805	20.4	143	213	288	429
2*	6	0.045	1.14	0.77	19.6	0.080	2.0	0.937	23.8	212	315	414	616
1*	4	0.055	1.40	0.90	22.9	0.080	2.0	1.063	27.0	276	411	529	787
1/0*	4	0.055	1.40	0.96	24.4	0.080	2.0	1.129	28.7	337	502	616	917
2/0*	4	0.055	1.40	1.04	26.4	0.080	2.0	1.208	30.7	415	618	720	1071
3/0*	4	0.055	1.40	1.14	29.0	0.080	2.0	1.310	33.3	513	763	853	1269
4/0*	2	0.055	1.40	1.25	31.8	0.080	2.0	1.416	36.0	660	982	1032	1536
250*	2	0.065	1.65	1.39	35.3	0.080	2.0	1.554	39.5	768	1143	1209	1799
300*	2	0.065	1.65	1.50	38.1	0.080	2.0	1.666	42.3	910	1354	1393	2073
350*	2	0.065	1.65	1.59	40.4	1.110	28.2	1.814	46.1	1051	1564	1671	2487
400*	1	0.065	1.65	1.70	43.2	1.110	28.2	1.926	48.9	1208	1798	1856	2762
500*	1	0.065	1.65	1.87	47.5	1.110	28.2	2.092	53.1	1491	2219	2212	3292
600*	1	0.080	2.03	2.10	53.3	1.110	28.2	2.323	59.0	1773	2639	2641	3930
700*	1/0	0.080	2.03	2.23	56.6	1.110	28.2	2.461	62.5	2076	3089	3013	4484
750*	1/0	0.080	2.03	2.30	58.4	1.110	28.2	2.527	64.2	2217	3299	3176	4726
900*	250	0.080	2.03	2.50	58.4	1.110	28.2	2.723	69.2	2777	4133	3828	5697

FOUR CONDUCTORS WITH GROUND

6*	6	0.045	1.14	0.63	16.0	0.06	1.5	0.760	19.3	123	183	270	402
4*	6	0.045	1.14	0.74	18.8	0.06	1.5	0.902	22.9	182	271	387	576
2*	6	0.045	1.14	0.84	21.3	0.08	2.0	1.007	25.6	275	409	509	757
1*	4	0.055	1.40	0.98	24.9	0.08	2.0	1.140	29.0	354	527	654	973
1/0*	4	0.055	1.40	1.05	26.7	0.08	2.0	1.218	30.9	437	650	767	1141
2/0*	4	0.055	1.40	1.12	28.4	0.08	2.0	1.287	32.7	540	804	899	1338
3/0*	4	0.055	1.40	1.28	32.5	0.08	2.0	1.448	36.8	671	999	1082	1610
4/0*	2	0.055	1.40	1.36	34.5	0.08	2.0	1.523	38.7	859	1278	1301	1936
250*	1	0.065	1.65	1.51	38.4	0.11	2.8	1.732	44.0	1020	1518	1641	2442
300*	1	0.065	1.65	1.61	40.9	0.11	2.8	1.831	46.5	1208	1798	1882	2801
350*	1/0	0.065	1.65	1.56	39.6	0.11	2.8	1.780	45.2	1417	2109	2117	3150
400*	1/0	0.065	1.65	1.86	47.2	0.11	2.8	2.087	53.0	1605	2389	2371	3528
500*	2/0	0.065	1.65	2.04	51.8	0.11	2.8	2.227	56.6	2008	2988	2860	4256
600*	2/0	0.080	2.03	2.35	59.7	0.11	2.8	2.575	65.4	2384	3548	3440	5119
700*	2/0	0.080	2.03	2.50	63.5	0.11	2.8	2.730	69.3	2761	4109	3904	5810
750*	3/0	0.080	2.03	2.58	65.5	0.14	3.6	2.864	72.7	2982	4438	4309	6412

Dimensions and weights are nominal; subject to industry tolerances.
* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

Product Construction:

Conductor:

- 6 AWG thru 2 AWG Class B compact stranded aluminum alloy (8000 Series) per ASTM B800 and ASTM B801
- 1 AWG thru 350 kcmil compact stranded SIW aluminum alloy (8000 Series) per ASTM B800, ASTM B801 and ASTM B836
- 400 kcmil thru 900 kcmil Class B compact stranded aluminum alloy (8000 Series) per ASTM B800 and ASTM B801

Insulation:

- Flame-retardant Cross-linked Polyethylene (XLPE)

Jacket:

- Heat-, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) applied over a taped assembly

Markings/Print:

Phase conductor print:

- GENERAL CABLE® SIZE (AWG OR KCMIL) (MM²) COMPACT STABILOY® AA-8030 AL XLPE 600 V XHHW-2 SUN RES (UL) YEAR DATE (TIME OF MFG) SEQUENTIAL FOOTAGE

Jacketed print:

- GENERAL CABLE (PLT. OF MFG.) STABILOY® AA-8030 AL TYPE TC-ER XHHW-2 90°C WET OR DRY 600 V (# OF CDRS) SIZE (AWG OR KCMIL) (MM²) (# OF CDR) SIZE (AWG OR KCMIL) (MM²) JACKET SUN RES DIR BUR (UL) YEAR DATE (TIME OF MFG) SEQUENTIAL FOOTAGE

Options:

- Other sizes and stranding options available upon request
- Custom constructions and oversize neutrals upon request

Applications:

- "Type TC-ER" is used to supply power to motors and other electrical devices
- Installed in cable trays, raceways or outdoor location where supported by a messenger wire
- Approved for direct burial and for use in Class I and II, Division 2 hazardous locations per NEC® Article 500
- Rated 600 volt at temperature not to exceed 90°C for wet or dry locations

Features:

- Oil Resistant PRI/PRII conductors
- Gas and Oil Res GRI/GRII conductors
- UV/sunlight-resistant, moisture-resistant and flame-retardant PVC jacket suitable for direct burial
- Excellent electrical, thermal and physical properties
- Resistant to crush, compression cuts and heat deformation
- STABILOY® Brand AA-8000 aluminum alloy conductors are lightweight and provide increased flexibility for easy installation
- Meets cold bend and cold impact tests at -25°C

Compliances:

Industry Compliances:

- UL 1277 Type TC Power and Control Cables, UL File # E179238
- UL 44 Type XHHW-2, UL File # E39406
- National Electrical Code (NEC®)

Flame Test Compliances:

- UL 2556 Horizontal Burn
- UL 2556 FT4/IEEE 1202

Other Compliances:

- OSHA Acceptable
- RoHS Compliant

Packaging:

- Material cut to length and shipped on non-returnable wood reels

