

## TYPE LSXTPO LOW SMOKE HALOGEN-FREE CONTROL CABLE



### PRODUCT DESCRIPTION

0.6/1KV FLEXIBLE MULTI-CONDUCTOR  
MARINE/OFFSHORE CONTROL CABLE  
90°C TEMPERATURE RATING  
HALOGEN FREE & FLAME RETARDANT  
ETL LISTED, ABS APPROVED

### PRODUCT CONSTRUCTION

#### 1. CONDUCTOR

FLEXIBLE STRANDED TINNED ANNEALED COPPER WIRE

#### 2. INSULATION

LOW SMOKE, HALOGEN-FREE XLPO (TYPE LSX)  
COLOR CODE: IEEE 1580 TABLE 22

#### 3. JACKET

THERMOPLASTIC POLYOLEFIN (TYPE TPO)

#### 4. ARMOR (OPTIONAL)

BRONZE WIRE BRAID PER IEEE 1580

#### 5. SHEATH (OPTIONAL)

THERMOPLASTIC POLYOLEFIN (TYPE TPO)  
BLACK COLOR

LSZH CABLE



### STANDARDS

- IEEE 45 (2004), IEEE 1580 (2010), UL 1309 (2011)
- TYPE LSX INSULATION: IEEE 1580
- TYPE TPO SHEATH: IEEE 1580
- FLAME RETARDANT: IEEE 1202
- HALOGEN CONTENT: IEC 60754-1,  $\leq 0.2\%$
- COLD BEND/IMPACT: CSA 22.2 NO. 03 (-40°C/-35°C)
- FIRE RESISTANT: IEC 60331-1/2/21 (OPTIONAL)



# IEEE 1580 TYPE LSXTPO CABLE

## TYPE LSXTPO LOW SMOKE HALOGEN-FREE CONTROL CABLE

### 0.6/1KV LSXTPO CABLE: MULTI-CONDUCTOR

PART NO.	CONDUCTOR		UNARMORED				ARMORED AND SHEATHED (BS)			
	# OF CORES	SIZE (AWG)	NOMINAL OD		WEIGHT		NOMINAL OD		WEIGHT	
			INCHES	MM	LBS/MFT	KG/KM	INCHES	MM	LBS/MFT	KG/KM
P-LSXTPO-2C18	2	18	0.339	8.6	67	100	0.516	13.1	181	270
P-LSXTPO-3C18	3	18	0.354	9.0	74	110	0.559	14.2	208	310
P-LSXTPO-4C18	4	18	0.386	9.8	94	140	0.591	15.0	235	350
P-LSXTPO-5C18	5	18	0.421	10.7	114	170	0.626	15.9	262	390
P-LSXTPO-6C18	6	18	0.457	11.6	128	190	0.661	16.8	296	440
P-LSXTPO-7C18	7	18	0.457	11.6	134	200	0.661	16.8	302	450
P-LSXTPO-8C18	8	18	0.492	12.5	155	230	0.697	17.7	329	490
P-LSXTPO-10C18	10	18	0.602	15.3	222	330	0.807	20.5	430	640
P-LSXTPO-12C18	12	18	0.618	15.7	242	360	0.823	20.9	457	680
P-LSXTPO-14C18	14	18	0.650	16.5	269	400	0.898	22.8	531	790
P-LSXTPO-16C18	16	18	0.685	17.4	302	450	0.933	23.7	578	860
P-LSXTPO-20C18	20	18	0.740	18.8	356	530	0.988	25.1	652	970
P-LSXTPO-24C18	24	18	0.878	22.3	484	720	1.126	28.6	827	1230
P-LSXTPO-30C18	30	18	0.929	23.6	558	830	1.177	29.9	921	1370
P-LSXTPO-37C18	37	18	1.000	25.4	652	970	1.248	31.7	1042	1550
P-LSXTPO-44C18	44	18	1.118	28.4	800	1190	1.366	34.7	1230	1830
P-LSXTPO-60C18	60	18	1.236	31.4	1008	1500	1.484	37.7	1478	2200
P-LSXTPO-91C18	91	18	1.472	37.4	1451	2160	1.780	45.2	2110	3140
P-LSXTPO-2C16	2	16	0.350	8.9	74	110	0.555	14.1	208	310
P-LSXTPO-3C16	3	16	0.370	9.4	87	130	0.575	14.6	228	340
P-LSXTPO-4C16	4	16	0.402	10.2	108	160	0.606	15.4	255	380
P-LSXTPO-5C16	5	16	0.437	11.1	128	190	0.642	16.3	282	420
P-LSXTPO-6C16	6	16	0.476	12.1	148	220	0.681	17.3	323	480
P-LSXTPO-7C16	7	16	0.476	12.1	161	240	0.681	17.3	329	490
P-LSXTPO-8C16	8	16	0.512	13.0	181	270	0.717	18.2	363	540
P-LSXTPO-10C16	10	16	0.626	15.9	255	380	0.874	22.2	511	760
P-LSXTPO-12C16	12	16	0.646	16.4	282	420	0.894	22.7	544	810
P-LSXTPO-14C16	14	16	0.677	17.2	316	470	0.925	23.5	585	870
P-LSXTPO-16C16	16	16	0.717	18.2	356	530	0.965	24.5	638	950
P-LSXTPO-20C16	20	16	0.776	19.7	423	630	1.024	26.0	726	1080
P-LSXTPO-24C16	24	16	0.921	23.4	564	840	1.169	29.7	921	1370
P-LSXTPO-30C16	30	16	0.976	24.8	652	970	1.224	31.1	1028	1530
P-LSXTPO-37C16	37	16	1.047	26.6	766	1140	1.295	32.9	1169	1740
P-LSXTPO-44C16	44	16	1.173	29.8	941	1400	1.421	36.1	1384	2060
P-LSXTPO-60C16	60	16	1.295	32.9	1189	1770	1.543	39.2	1680	2500
P-LSXTPO-91C16	91	16	1.547	39.3	1727	2570	1.854	47.1	2412	3590

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES  
 CABLE OD AND WEIGHT ARE NOMINAL. SUBJECT TO INDUSTRY TOLERANCES  
 AMPACITY BASED ON 45°C AMBIENT TEMPERATURE; 90°C BASED ON IEEE 45 TABLE 25  
 "BS" ADDED TO PART NUMBER INDICATES ARMORED & SHEATHED CABLE

LSZH CABLE

## TYPE LSXTPO LOW SMOKE HALOGEN-FREE CONTROL CABLE

### 0.6/1KV LSXTPO CABLE: MULTI-CONDUCTOR

PART NO.	CONDUCTOR		UNARMORED				ARMORED AND SHEATHED (BS)			
	# OF CORES	SIZE (AWG)	NOMINAL OD		WEIGHT		NOMINAL OD		WEIGHT	
			INCHES	MM	LBS/MFT	KG/KM	INCHES	MM	LBS/MFT	KG/KM
P-LSXTPO-2C14	2	14	0.378	9.6	94	140	0.583	14.8	228	340
P-LSXTPO-3C14	3	14	0.402	10.2	108	160	0.606	15.4	255	380
P-LSXTPO-4C14	4	14	0.437	11.1	134	200	0.642	16.3	296	440
P-LSXTPO-5C14	5	14	0.476	12.1	161	240	0.681	17.3	336	500
P-LSXTPO-6C14	6	14	0.520	13.2	195	290	0.724	18.4	376	560
P-LSXTPO-7C14	7	14	0.520	13.2	208	310	0.724	18.4	390	580
P-LSXTPO-8C14	8	14	0.587	14.9	249	370	0.791	20.1	457	680
P-LSXTPO-10C14	10	14	0.685	17.4	329	490	0.933	23.7	605	900
P-LSXTPO-12C14	12	14	0.705	17.9	363	540	0.953	24.2	645	960
P-LSXTPO-14C14	14	14	0.740	18.8	410	610	0.988	25.1	706	1050
P-LSXTPO-16C14	16	14	0.780	19.8	457	680	1.028	26.1	766	1140
P-LSXTPO-20C14	20	14	0.890	22.6	591	880	1.138	28.9	941	1400
P-LSXTPO-24C14	24	14	1.008	25.6	732	1090	1.256	31.9	1122	1670
P-LSXTPO-30C14	30	14	1.067	27.1	853	1270	1.315	33.4	1263	1880
P-LSXTPO-37C14	37	14	1.146	29.1	1008	1500	1.394	35.4	1445	2150
P-LSXTPO-44C14	44	14	1.287	32.7	1236	1840	1.535	39.0	1727	2570
P-LSXTPO-60C14	60	14	1.425	36.2	1586	2360	1.732	44.0	2224	3310
P-LSXTPO-91C14	91	14	1.760	44.7	2412	3590	2.067	52.5	3192	4750
P-LSXTPO-6C12	6	12	0.602	15.3	276	410	0.807	20.5	484	720
P-LSXTPO-7C12	7	12	0.602	15.3	296	440	0.807	20.5	504	750
P-LSXTPO-8C12	8	12	0.650	16.5	336	500	0.898	22.8	598	890
P-LSXTPO-10C12	10	12	0.760	19.3	437	650	1.008	25.6	739	1100
P-LSXTPO-12C12	12	12	0.783	19.9	491	730	1.031	26.2	800	1190
P-LSXTPO-14C12	14	12	0.823	20.9	558	830	1.071	27.2	880	1310
P-LSXTPO-16C12	16	12	0.913	23.2	665	990	1.161	29.5	1021	1520
P-LSXTPO-20C12	20	12	0.992	25.2	800	1190	1.240	31.5	1183	1760
P-LSXTPO-24C12	24	12	1.118	28.4	988	1470	1.366	34.7	1411	2100
P-LSXTPO-30C12	30	12	1.185	30.1	1163	1730	1.433	36.4	1613	2400
P-LSXTPO-37C12	37	12	1.276	32.4	1384	2060	1.524	38.7	1861	2770
P-LSXTPO-44C12	44	12	1.433	36.4	1687	2510	1.740	44.2	2332	3470
P-LSXTPO-60C12	60	12	1.591	40.4	2177	3240	1.898	48.2	2883	4290
P-LSXTPO-91C12	91	12	1.965	49.9	3313	4930	2.272	57.7	4180	6220

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES  
 CABLE OD AND WEIGHT ARE NOMINAL. SUBJECT TO INDUSTRY TOLERANCES  
 AMPACITY BASED ON 45°C AMBIENT TEMPERATURE; 90°C BASED ON IEEE 45 TABLE 25  
 "BS" ADDED TO PART NUMBER INDICATES ARMORED & SHEATHED CABLE

LSZH CABLE



# IEEE 1580 TYPE LSXTPO CABLE

## TYPE LSXTPO LOW SMOKE HALOGEN-FREE CONTROL CABLE

### 0.6/1KV LSXTPO CABLE: MULTI-CONDUCTOR

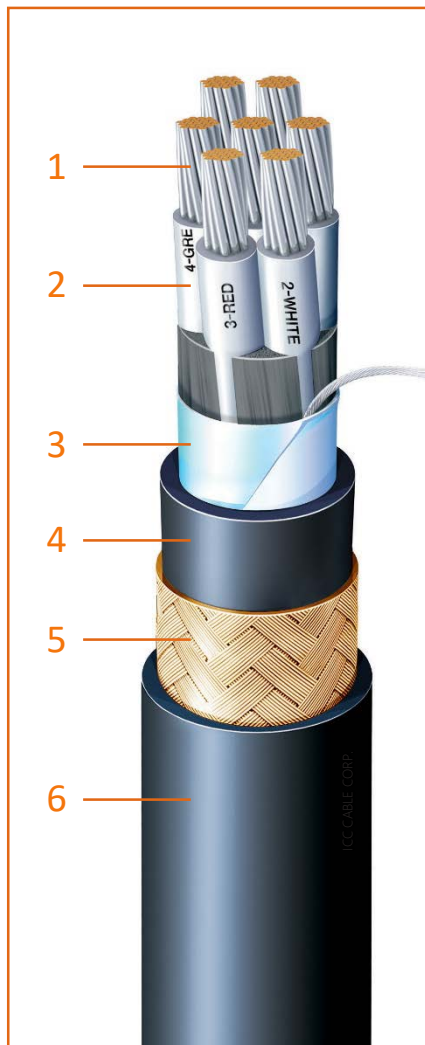
PART NO.	CONDUCTOR		UNARMORED				ARMORED AND SHEATHED (BS)			
			NOMINAL OD		WEIGHT		NOMINAL OD		WEIGHT	
	# OF CORES	SIZE (AWG)	INCHES	MM	LBS/MFT	KG/KM	INCHES	MM	LBS/MFT	KG/KM
P-LSXTPO-6C10	6	10	0.689	17.5	383	570	0.937	23.8	659	980
P-LSXTPO-7C10	7	10	0.689	17.5	410	610	0.937	23.8	685	1020
P-LSXTPO-8C10	8	10	0.744	18.9	470	700	0.992	25.2	766	1140
P-LSXTPO-10C10	10	10	0.917	23.3	659	980	1.165	29.6	1015	1510
P-LSXTPO-12C10	12	10	0.945	24.0	739	1100	1.193	30.3	1102	1640
P-LSXTPO-14C10	14	10	0.996	25.3	833	1240	1.244	31.6	1216	1810
P-LSXTPO-16C10	16	10	1.051	26.7	934	1390	1.299	33.0	1344	2000
P-LSXTPO-20C10	20	10	1.138	28.9	1129	1680	1.386	35.2	1566	2330
P-LSXTPO-24C10	24	10	1.291	32.8	1398	2080	1.539	39.1	1888	2810
P-LSXTPO-30C10	30	10	1.370	34.8	1653	2460	1.618	41.1	2170	3230
P-LSXTPO-37C10	37	10	1.476	37.5	1976	2940	1.783	45.3	2641	3930
P-LSXTPO-44C10	44	10	1.665	42.3	2419	3600	1.972	50.1	3158	4700
P-LSXTPO-60C10	60	10	1.909	48.5	3259	4850	2.217	56.3	4092	6090
P-LSXTPO-91C10	91	10	2.280	57.9	4771	7100	2.587	65.7	5765	8580

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES  
 CABLE OD AND WEIGHT ARE NOMINAL. SUBJECT TO INDUSTRY TOLERANCES  
 AMPACITY BASED ON 45°C AMBIENT TEMPERATURE; 90°C BASED ON IEEE 45 TABLE 25  
 "-BS" ADDED TO PART NUMBER INDICATES ARMORED & SHEATHED CABLE

ICC CABLE CORP.

LSZH CABLE

## LSXTPO LOW SMOKE HALOGEN-FREE SHIELDED CONTROL CABLE



### PRODUCT DESCRIPTION

0.6/1KV FLEXIBLE SHIELDED MULTI-CONDUCTOR  
MARINE/OFFSHORE CONTROL CABLE  
90°C TEMPERATURE RATING  
HALOGEN FREE & FLAME RETARDANT  
ETL LISTED, ABS APPROVED

### PRODUCT CONSTRUCTION

#### 1. CONDUCTOR

FLEXIBLE STRANDED TINNED ANNEALED COPPER WIRE

#### 2. INSULATION

LOW SMOKE, HALOGEN-FREE XLPO (TYPE LSX)  
COLOR CODE: IEEE 1580 TABLE 22

#### 3. OVERALL SHIELD

AL/PS TAPE W/TINNED COPPER DRAIN WIRE

#### 4. JACKET

THERMOPLASTIC POLYOLEFIN (TYPE TPO)

#### 5. ARMOR (OPTIONAL)

BRONZE WIRE BRAID PER IEEE 1580

#### 6. SHEATH (OPTIONAL)

THERMOPLASTIC POLYOLEFIN (TYPE TPO)  
BLACK COLOR

LSZH CABLE



### STANDARDS

- IEEE 45 (2004), IEEE 1580 (2010), UL 1309 (2011)
- TYPE LSX INSULATION: IEEE 1580
- TYPE TPO SHEATH: IEEE 1580
- FLAME RETARDANT: IEEE 1202
- HALOGEN CONTENT: IEC 60754-1,  $\leq 0.2\%$
- COLD BEND/IMPACT: CSA 22.2 NO. 03 (-40°C/-35°C)
- FIRE RESISTANT: IEC 60331-1/2/21 (OPTIONAL)

## LSXTPO LOW SMOKE HALOGEN-FREE SHIELDED CONTROL CABLE

### 0.6/1KV LSXTPO-OS CABLE: OVERALL TAPE SHIELDED

PART NO.	CONDUCTOR		UNARMORED				ARMORED AND SHEATHED (BS)			
	# OF CORES	SIZE (AWG)	NOMINAL OD		WEIGHT		NOMINAL OD		WEIGHT	
			INCHES	MM	LBS/MFT	KG/KM	INCHES	MM	LBS/MFT	KG/KM
P-LSXTPO-3C20OS	3	20	0.339	8.6	67	100	0.516	13.1	181	270
P-LSXTPO-4C20OS	4	20	0.366	9.3	81	120	0.571	14.5	222	330
P-LSXTPO-5C20OS	5	20	0.394	10.0	94	140	0.598	15.2	242	360
P-LSXTPO-6C20OS	6	20	0.429	10.9	114	170	0.626	15.9	262	390
P-LSXTPO-3C18OS	3	18	0.358	9.1	81	120	0.555	14.1	215	320
P-LSXTPO-4C18OS	4	18	0.390	9.9	101	150	0.587	14.9	235	350
P-LSXTPO-6C18OS	6	18	0.461	11.7	141	210	0.657	16.7	296	440
P-LSXTPO-25C18OS	25	18	0.882	22.4	504	750	1.122	28.5	840	1250
P-LSXTPO-3C16OS	3	16	0.374	9.5	94	140	0.571	14.5	228	340
P-LSXTPO-4C16OS	4	16	0.406	10.3	114	170	0.602	15.3	255	380
P-LSXTPO-5C16OS	5	16	0.441	11.2	134	200	0.638	16.2	289	430
P-LSXTPO-12C16OS	12	16	0.650	16.5	289	430	0.890	22.6	544	810
P-LSXTPO-3C14OS	3	14	0.406	10.3	114	170	0.602	15.3	262	390
P-LSXTPO-7C14OS	7	14	0.524	13.3	215	320	0.720	18.3	396	590
P-LSXTPO-4C12OS	4	12	0.484	12.3	188	280	0.681	17.3	356	530
P-LSXTPO-3C10OS	3	10	0.508	12.9	208	310	0.705	17.9	383	570

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES  
CABLE OD AND WEIGHT ARE NOMINAL. SUBJECT TO INDUSTRY TOLERANCES  
"BS" ADDED TO PART NUMBER INDICATES ARMORED & SHEATHED CABLE

### 0.6/1KV LSXTPO-OBS CABLE: OVERALL TINNED COPPER WIRE BRAID SHIELDED

PART NO.	CONDUCTOR		UNARMORED				ARMORED AND SHEATHED (BS)			
	# OF CORES	SIZE (AWG)	NOMINAL OD		WEIGHT		NOMINAL OD		WEIGHT	
			INCHES	MM	LBS/MFT	KG/KM	INCHES	MM	LBS/MFT	KG/KM
P-LSXTPO-4C20OBS	4	20	0.382	9.7	101	150	0.587	14.9	242	360
P-LSXTPO-3C18OBS	3	18	0.386	9.8	108	160	0.591	15	249	370
P-LSXTPO-4C18OBS	4	18	0.417	10.6	121	180	0.622	15.8	276	410
P-LSXTPO-7C18OBS	7	18	0.488	12.4	175	260	0.685	17.4	343	510
P-LSXTPO-12C18OBS	12	18	0.650	16.5	296	440	0.89	22.6	551	820
P-LSXTPO-20C18OBS	20	18	0.772	19.6	423	630	1.012	25.7	719	1070
P-LSXTPO-15C16OBS	15	16	0.728	18.5	390	580	0.969	24.6	672	1000
P-LSXTPO-2C14OBS	2	14	0.409	10.4	121	180	0.606	15.4	269	400
P-LSXTPO-3C14OBS	3	14	0.433	11.0	141	210	0.630	16.0	296	440
P-LSXTPO-5C14OBS	5	14	0.508	12.9	202	300	0.705	17.9	376	560
P-LSXTPO-7C14OBS	7	14	0.579	14.7	262	390	0.776	19.7	457	680
P-LSXTPO-14C14OBS	14	14	0.772	19.6	470	700	1.012	25.7	766	1140
P-LSXTPO-19C14OBS	19	14	0.898	22.8	632	940	1.138	28.9	974	1450
P-LSXTPO-30C14OBS	30	14	1.106	28.1	947	1410	1.346	34.2	1357	2020
P-LSXTPO-44C14OBS	44	14	1.327	33.7	1351	2010	1.567	39.8	1841	2740
P-LSXTPO-60C14OBS	60	14	1.465	37.2	1707	2540	1.764	44.8	2352	3500
P-LSXTPO-91C14OBS	91	14	1.799	45.7	2567	3820	2.098	53.3	3346	4980

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES  
CABLE OD AND WEIGHT ARE NOMINAL. SUBJECT TO INDUSTRY TOLERANCES  
"BS" ADDED TO PART NUMBER INDICATES ARMORED & SHEATHED CABLE

LSZH CABLE