



PRODUCT DESCRIPTION

2KV VARIABLE FREQUENCY DRIVE (VFD) POWER 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. GROUND CONDUCTOR

FLEXIBLE STRANDED TINNED COPPER WIRE (X3)

4. OVERALL BRAID SHIELD (OBS)

TINNED COPPER WIRE BRAID WITH AL/PS TAPE

5. JACKET

THERMOPLASTIC POLYOLEFIN (TYPE TPO)

6. ARMOR (OPTIONAL)

BRONZE WIRE BRAID PER IEEE 1580

7. SHEATH (OPTIONAL)

THERMOPLASTIC POLYOLEFIN (TYPE TPO)
BLACK COLOR



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

2KV TYPE LSXTPO LOW SMOKE HALOGEN-FREE FLEXIBLE VFD POWER CABLE

0.6/1KV LSXTPO(OBS)VFD CABLE

PART NO.	CONDUCTOR SIZE (AWG/KCMIL)	GROUND SIZE (AWG)	UNARMORED				ARMORED AND SHEATHED (BS)				AMPACITY 90°C
			NOMINAL OD		WEIGHT		NOMINAL OD		WEIGHT		
			INCHES	MM	LBS/MFT	KG/KM	INCHES	MM	LBS/MFT	KG/KM	
P-LSXTPO-3C14(OBS)VFD-2KV	14	3G x 14	0.713	18.1	376	560	0.969	24.6	659	980	24
P-LSXTPO-3C12(OBS)VFD-2KV	12	3G x 12	0.756	19.2	430	640	1.012	25.7	732	1090	29
P-LSXTPO-3C10(OBS)VFD-2KV	10	3G x 10	0.815	20.7	524	780	1.071	27.2	847	1260	38
P-LSXTPO-3C8(OBS)VFD-2KV	8	3G x 8	0.976	24.8	712	1060	1.232	31.3	1095	1630	48
P-LSXTPO-3C6(OBS)VFD-2KV	6	3G x 8	1.055	26.8	894	1330	1.311	33.3	1297	1930	65
P-LSXTPO-3C4(OBS)VFD-2KV	4	3G x 6	1.256	31.9	1243	1850	1.512	38.4	1720	2560	83
P-LSXTPO-3C2(OBS)VFD-2KV	2	3G x 6	1.350	34.3	1532	2280	1.606	40.8	2043	3040	111
P-LSXTPO-3C1(OBS)VFD-2KV	1	3G x 6	1.449	36.8	1922	2860	1.764	44.8	2574	3830	131
P-LSXTPO-3C1/0(OBS)VFD-2KV	1/0	3G x 6	1.551	39.4	2244	3340	1.866	47.4	2937	4370	150
P-LSXTPO-3C2/0(OBS)VFD-2KV	2/0	3G x 4	1.654	42.0	3232	4810	1.969	50.0	3380	5030	173
P-LSXTPO-3C3/0(OBS)VFD-2KV	3/0	3G x 4	1.846	46.9	3232	4810	2.161	54.9	4052	6030	201
P-LSXTPO-3C4/0(OBS)VFD-2KV	4/0	3G x 3	1.992	50.6	3844	5720	2.307	58.6	4724	7030	232
P-LSXTPO-3C262(OBS)VFD-2KV	262	3G x 3	2.161	54.9	4603	6850	2.476	62.9	5550	8260	273
P-LSXTPO-3C313(OBS)VFD-2KV	313	3G x 3	2.307	58.6	5295	7880	2.622	66.6	6303	9380	298
P-LSXTPO-3C373(OBS)VFD-2KV	373	3G x 2	2.449	62.2	6054	9010	2.823	71.7	7291	10850	332
P-LSXTPO-3C444(OBS)VFD-2KV	444	3G x 1	2.610	66.3	6982	10390	2.984	75.8	8299	12350	382
P-LSXTPO-3C535(OBS)VFD-2KV	535	3G x 1	2.917	74.1	8453	12580	3.291	83.6	9912	14750	407
P-LSXTPO-3C646(OBS)VFD-2KV	646	3G x 1/0	3.102	78.8	9864	14680	3.476	88.3	11417	16990	474
P-LSXTPO-3C777(OBS)VFD-2KV	777	3G x 1/0	3.291	83.6	11457	17050	3.665	93.1	13090	19480	516

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