

GenFree®

XLPE/LSZH, Instrumentation, Shielded

600 V, UL Type TC-LS, Overall Shielded Pairs/Triads

Product Construction:

Conductor:

- 18 AWG and 16 AWG tinned, annealed copper per ASTM B33
- Class B stranding per ASTM B8

Insulation:

- Lead-free, flame-retardant, low-smoke Cross-linked Polyethylene (XLPE)
- Color-coded per ICEA Method 1: Pairs - black and white; Triads - black, white and red. One conductor in each pair or triad is printed alpha-numerically for easy identification

Shield:

Overall shielded pairs/triads

- Overall shield is Flexfoil® aluminum/polymer in contact with stranded tinned copper drain wire

Jacket:

- Lead-free, flame-retardant, sunlight-resistant, Low-Smoke, Zero-Halogen Polyolefin (LSZH)

Applications:

- In free air, raceways, aerial or direct burial
- In wet or dry locations
- Permitted for use in Class I, Division 2 industrial hazardous locations per NEC

Features:

- Rated at 90°C wet or dry
- Ripcord applied to all cables with jacket thickness of 60 mils or less
- Excellent physical and electrical properties
- Excellent moisture resistance
- Excellent resistance to compression and impact
- Chemical-resistant
- Low coefficient of friction for easy pulling
- Sunlight- and weather-resistant
- Meets cold bend test at -30°C
- Low-Smoke, Zero-Halogen jacket is environmentally safe
- Low-Smoke, Zero-Halogen jacket reduces the amount of toxic and corrosive gases emitted during combustion, providing a safer environment for personnel and equipment during the hazards of fire

Compliances:

Industry Compliances:

- UL 1277 Type TC-LS, UL File # E57179
- UL 1581
- ICEA S-73-532/NEMA WC57
- ICEA T-33-655

Flame Test Compliances:

- UL 1581
- UL 1685 Vertical Flame Test
- IEEE 1202

Other Compliances:

- EPA 40 CFR, Part 261 for leachable lead content per TCLP
- OSHA Acceptable
- RoHS Compliant

Packaging:

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



CATALOG NUMBER	NO. OF PAIRS/TRIADS	COND. SIZE (AWG)	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km

OVERALL SHIELDED PAIRS/TRIADS
18 AWG CONDUCTORS

393710*	1	18	7W	0.030	0.76	0.045	1.14	0.315	8.00	13	19	46	68
393720*	1 TRI	18	7W	0.030	0.76	0.045	1.14	0.340	8.64	18	26	58	86
393730*	2	18	7W	0.030	0.76	0.045	1.14	0.450	11.43	23	34	88	131
393740*	4	18	7W	0.030	0.76	0.045	1.14	0.560	14.22	44	65	144	214
393750*	8	18	7W	0.030	0.76	0.060	1.52	0.750	19.05	86	127	263	391
393760*	12	18	7W	0.030	0.76	0.080	2.03	0.850	21.59	127	189	358	533
393770*	16	18	7W	0.030	0.76	0.080	2.03	1.010	25.65	169	251	461	686
393780*	20	18	7W	0.030	0.76	0.080	2.03	1.085	27.56	210	313	600	893
393790*	24	18	7W	0.030	0.76	0.080	2.03	1.210	30.73	252	375	701	1043
393800*	36	18	7W	0.030	0.76	0.080	2.03	1.500	38.10	377	561	1005	1496
393810*	50	18	7W	0.030	0.76	0.080	2.03	2.570	65.28	523	778	1603	2386

OVERALL SHIELDED PAIRS/TRIADS
16 AWG CONDUCTORS

393820	1	16	7W	0.030	0.76	0.045	1.14	0.345	8.76	18	28	32	48
393830	1 TRI	16	7W	0.030	0.76	0.045	1.14	0.360	9.14	26	39	72	107
393840*	2	16	7W	0.030	0.76	0.045	1.14	0.560	14.22	36	54	121	180
393850*	4	16	7W	0.030	0.76	0.060	1.52	0.650	16.51	69	103	186	277
393860*	8	16	7W	0.030	0.76	0.060	1.52	0.810	20.57	135	201	324	482
393870*	12	16	7W	0.030	0.76	0.080	2.03	1.000	25.40	202	300	486	723
393880*	16	16	7W	0.030	0.76	0.080	2.03	1.120	28.45	268	399	616	917
393890*	20	16	7W	0.030	0.76	0.080	2.03	1.170	29.72	335	498	734	1092
393900*	24	16	7W	0.030	0.76	0.080	2.03	1.440	36.58	401	597	894	1330
393910*	36	16	7W	0.030	0.76	0.080	2.03	1.650	41.91	601	894	1254	1866
393920*	50	16	7W	0.030	0.76	0.110	2.79	2.020	51.31	834	1241	1800	2679

Dimensions and weights are nominal; subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.