

GenFree®

XLPE/LSZH, Instrumentation, Shielded 600 V
UL Type TC-LS, Individual and Overall Shielded 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: Triads - black, white and red. One conductor in each triad is printed alpha-numerically for easy identification

Shield:

Individual and overall shielded triads

- Individual triads are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- 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
- Permitted for Exposed Run (ER) use in accordance with the NEC

Features:

- Rated at 90°C wet or dry
- Ripcord applied to all cables with jacket of 60 mils or less
- Meets cold bend test at -30°C
- Type ER versions meets crush and impact requirements of Type MC cables.
- Sunlight- and weather-resistant
- Excellent flame resistance
- Good physical, thermal and electrical properties
- Excellent moisture resistance
- Good resistance to abrasion and heat deformation
- Provides good oil and chemical resistance
- 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
- Low-Smoke, Zero-Halogen jacket is environmentally safe

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:

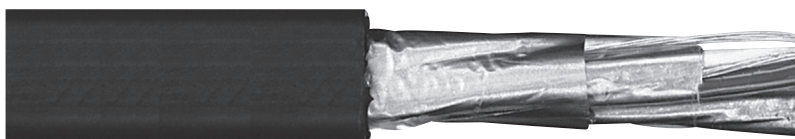
- UL 1685 Vertical Flame Test
- IEEE 1202

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 TRIADS	COND. SIZE (AWG)	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				IN	mm	IN	mm	IN	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km

INDIVIDUAL AND OVERALL SHIELDED TRIADS 18 AWG CONDUCTORS

394120*	2 TRI	18	7W	0.030	0.76	0.060	1.52	0.595	15.11	38	57	150	223
394130*	4 TRI	18	7W	0.030	0.76	0.060	1.52	0.690	17.53	74	110	231	344
394140*	8 TRI	18	7W	0.030	0.76	0.080	2.03	0.940	23.88	145	216	435	647
394150*	12 TRI	18	7W	0.030	0.76	0.080	2.03	1.135	28.83	217	323	612	911
394160*	16 TRI	18	7W	0.030	0.76	0.080	2.03	1.265	32.13	289	430	773	1150
394170*	20 TRI	18	7W	0.030	0.76	0.080	2.03	1.405	35.69	361	537	935	1391
394180*	24 TRI	18	7W	0.030	0.76	0.080	2.03	1.565	39.75	432	643	1097	1633
394190*	36 TRI	18	7W	0.030	0.76	0.110	2.79	1.860	47.24	647	963	1662	2473

INDIVIDUAL AND OVERALL SHIELDED TRIADS 16 AWG CONDUCTORS

394200*	2 TRI	16	7W	0.030	0.76	0.060	1.52	0.640	16.26	57	84	183	272
394210*	4 TRI	16	7W	0.030	0.76	0.060	1.52	0.745	18.92	111	165	494	735
394220*	8 TRI	16	7W	0.030	0.76	0.080	2.03	1.015	25.78	219	326	549	817
394230*	12 TRI	16	7W	0.030	0.76	0.080	2.03	1.230	31.24	328	487	777	1156
394240*	16 TRI	16	7W	0.030	0.76	0.080	2.03	1.370	34.80	437	650	988	1470
394250*	20 TRI	16	7W	0.030	0.76	0.080	2.03	1.525	38.74	545	811	1120	1667
394260*	24 TRI	16	7W	0.030	0.76	0.110	2.79	1.760	44.70	654	973	1530	2277
394270*	36 TRI	16	7W	0.030	0.76	0.110	2.79	2.015	51.18	979	1457	2142	3188

Dimensions and weights are nominal; subject to industry tolerances.

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