

Duralox®

XLPE/AIA/PVC, Control, Armored
600 V, UL Type MC, Multi-Conductor



Product Construction:

Conductor:

- 14 AWG thru 10 AWG bare compressed copper
- Class B stranding per ASTM B3 and B8

Insulation:

- Flame-retardant Cross-linked Polyethylene (XLPE)
- Color-coded per ICEA Method 1, Table E-2 (does not include white or green)

Ground:

- Annealed bare copper Class B stranding per ASTM B8

Armor:

- Aluminum Interlocked Armor (AIA)

Jacket:

- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

Options:

- Galvanized Steel Interlocked Armor (GSIA)

Applications:

- In all raceways or direct burial
- In wet or dry locations
- Permitted for use per NEC Article 330
 - Class I, Division 2
 - Class II, Division 2
 - Class III, Divisions 1 and 2

Features:

- Rated at 90°C wet or dry
- Sunlight-resistant for CT use
- Provides excellent oil and chemical resistance
- Excellent crush resistance
- Provides a long service life
- Flame-retardant and resistant to moisture
- Cost-effective alternative to installations in conduit
- Meets cold bend test at -40°C

Compliances:

Industry Compliances:

- UL 1569
- UL 44
- ICEA S-95-658/NEMA WC70
- UL Type MC-600 volts, UL File # E90496
- NEC Type XHHW-2 conductors

Flame Test Compliances:

- IEEE 383 (70,000 BTU/hr)
- UL 1685 (70,000 BTU/hr)
- IEEE 1202 (70,000 BTU/hr) CSA FT4
- ICEA T-29-520 (210,000 BTU/hr)

Other Compliances:

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

Packaging:

- Material cut to length and shipped on non-returnable wood reels, while lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG)	MINIMUM INSULATION THICKNESS		GRND. WIRE SIZE (AWG)	NOM. DIA. (OVER) ARMOR		NOMINAL JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
			INCHES	mm		INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km
14 AWG CONDUCTORS															
346410*	2	14	0.030	0.76	14	0.49	12.5	0.050	1.27	0.60	15.3	39	58	175	261
346420	3	14	0.030	0.76	14	0.52	13.2	0.050	1.27	0.63	16.0	52	78	183	273
346430*	4	14	0.030	0.76	14	0.55	14.0	0.050	1.27	0.66	16.8	65	97	233	347
346440	5	14	0.030	0.76	14	0.59	15.0	0.050	1.27	0.69	17.6	79	118	246	367
346450	7	14	0.030	0.76	14	0.64	16.3	0.050	1.27	0.74	18.8	104	155	297	443
346460	9	14	0.030	0.76	14	0.72	18.3	0.050	1.27	0.83	21.1	130	193	379	564
346470	12	14	0.030	0.76	14	0.80	20.3	0.050	1.27	0.90	22.9	168	250	460	685
346480	19	14	0.030	0.76	14	0.99	25.2	0.050	1.27	1.02	25.9	259	385	621	924
346490*	25	14	0.030	0.76	14	1.07	27.2	0.050	1.27	1.17	29.7	337	502	776	1155
346500*	37	14	0.030	0.76	14	1.19	30.3	0.050	1.27	1.29	32.8	492	732	1043	1533
12 AWG CONDUCTORS															
346510*	2	12	0.030	0.76	12	0.53	13.5	0.050	1.27	0.64	16.3	64	96	218	324
346520	3	12	0.030	0.76	12	0.56	14.3	0.050	1.27	0.66	16.8	83	124	227	338
346530	4	12	0.030	0.76	12	0.60	15.3	0.050	1.27	0.71	18.1	103	154	272	405
346540	5	12	0.030	0.76	12	0.64	16.3	0.050	1.27	0.75	19.1	129	192	336	500
346550	7	12	0.030	0.76	12	0.70	17.8	0.050	1.27	0.81	20.6	165	246	380	566
346560*	9	12	0.030	0.76	12	0.78	19.8	0.050	1.27	0.89	22.6	214	319	479	713
346570	12	12	0.030	0.76	12	0.86	21.9	0.050	1.27	0.97	24.7	279	416	596	887
346580*	19	12	0.030	0.76	12	0.99	25.2	0.050	1.27	1.10	28.0	428	637	830	1235
346590*	25	12	0.030	0.76	12	1.18	30.0	0.050	1.27	1.28	32.5	557	829	1058	1575
346600*	37	12	0.030	0.76	12	1.31	33.3	0.050	1.27	1.41	35.8	793	1180	1403	2088
10 AWG CONDUCTORS															
346610	3	10	0.030	0.76	10	0.61	15.5	0.050	1.27	0.72	18.3	131	195	301	448
346620	4	10	0.030	0.76	10	0.66	16.8	0.050	1.27	0.77	19.6	164	244	355	529

Dimensions and weights are nominal; subject to industry tolerances.

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

