

Duralox®

XLPE/AIA/PVC, Power, Armored

600 V, UL Type MC, Three and Four Conductor (250 kcmil – 1000 kcmil)



Product Construction:

Conductors:

- 250 kcmil thru 1000 kcmil bare compact copper, Class B stranding per ASTM B496

Insulation:

- Cross-linked Polyethylene (XLPE)
- Color-coded per ICEA Method 3, Table E-2

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:

- Ideally suited for use in a broad range of commercial, industrial and utility applications, where maximum performance is demanded, ease of installation desired and fire resistance is critical
- Permitted for use per NEC Article 330
 - Class I, Division 2
 - Class II, Division 2
 - Class III, Divisions 1 and 2
- Installed in both exposed or concealed work, wet or dry locations, indoors or outdoors, direct burial and cable trays

Features:

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

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:

- For U.S. customers, 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)	GRND. WIRE SIZE (AWG)	MINIMUM INSULATION THICKNESS		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

250 kcmil - 1000 kcmil CONDUCTORS

11298.036000	3	250	4	0.065	1.65	1.72	43.6	0.060	1.52	1.85	46.9	2389	3554	3180	4733
11298.046000*	4	250	4	0.065	1.65	1.89	48.0	0.060	1.52	2.02	51.3	3141	4674	4128	6144
11298.036200	3	350	3	0.065	1.65	1.92	48.9	0.060	1.52	2.05	52.2	3313	4930	4239	6309
11298.046200	4	350	3	0.065	1.65	2.12	53.9	0.060	1.52	2.25	57.2	4360	6488	5457	8120
11298.036500	3	500	2	0.065	1.65	2.18	55.5	0.060	1.52	2.31	58.8	4695	6986	5821	8662
11298.046500	4	500	2	0.065	1.65	2.41	61.2	0.075	1.91	2.57	65.3	6187	9208	7583	11284
11298.037000*	3	750	1	0.080	2.03	2.62	66.5	0.075	1.91	2.78	70.6	7047	10488	8610	12813
11298.047000*	4	750	1	0.080	2.03	2.90	73.6	0.075	1.91	3.06	77.7	9307	13851	11178	16635
11298.037500*	3	1000	1/0	0.080	2.03	2.95	74.8	0.075	1.91	3.11	79.0	9474	14099	11233	16716
11298.047500*	4	1000	1/0	0.080	2.03	3.26	82.9	0.085	2.16	3.45	87.6	12528	18644	14713	21896

Dimensions and weights are nominal; subject to industry tolerances.

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

