

Duralox®

XLPE/AIA/PVC, Power, Armored

600 V, UL Type MC, Three and Four Conductor (8 AWG—4/0 AWG)

Product Construction:

Conductors:

- 8 AWG bare compressed copper, Class B stranding per ASTM B8
- 6 AWG thru 4/0 AWG 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:

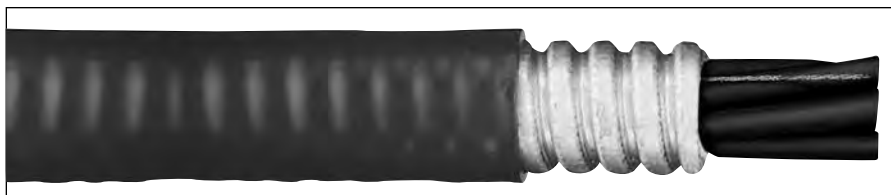
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

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



Applications (cont'd.):

- 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

Compliances (cont'd.):

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

8 AWG - 4/0 AWG CONDUCTORS

346630	3	8	10	0.045	1.14	0.74	18.8	0.050	1.27	0.84	21.4	189	281	420	625
346640*	4	8	10	0.045	1.14	0.80	20.3	0.050	1.27	0.90	22.9	241	359	507	755
11298.030600	3	6	8	0.045	1.14	0.79	20.1	0.050	1.27	0.90	22.9	286	426	546	813
11298.040600*	4	6	8	0.045	1.14	0.86	21.8	0.050	1.27	0.97	24.6	365	543	659	980
11298.030400	3	4	8	0.045	1.14	0.89	22.5	0.050	1.27	1.00	25.3	434	646	736	1096
11298.040400*	4	4	8	0.045	1.14	0.97	24.6	0.050	1.27	1.08	27.4	562	836	906	1349
11298.030200	3	2	6	0.045	1.14	1.00	25.5	0.050	1.27	1.11	28.3	673	1002	1028	1530
11298.040200*	4	2	6	0.045	1.14	1.10	27.9	0.050	1.27	1.21	30.7	869	1293	1283	1909
11298.030100*	3	1	6	0.055	1.40	1.12	28.4	0.050	1.27	1.23	31.2	834	1241	1273	1894
11298.040100*	4	1	6	0.055	1.40	1.23	31.2	0.050	1.27	1.34	34.0	1083	1612	1568	2334
11298.035100	3	1/0	6	0.055	1.40	1.20	30.5	0.050	1.27	1.31	33.3	1050	1563	1490	2217
11298.045100*	4	1/0	6	0.055	1.40	1.32	33.5	0.050	1.27	1.43	36.3	1373	2043	1890	2812
11298.035200	3	2/0	6	0.055	1.40	1.29	32.8	0.050	1.27	1.40	35.6	1284	1911	1775	2642
11298.045200*	4	2/0	6	0.055	1.40	1.42	36.1	0.050	1.27	1.53	38.8	1685	2508	2216	3298
11298.035300	3	3/0	4	0.055	1.40	1.39	35.4	0.050	1.27	1.50	38.2	1621	2412	2071	3082
11298.045300*	4	3/0	4	0.055	1.40	1.54	39.0	0.060	1.52	1.67	42.4	2120	3155	2754	4098
11298.035400	3	4/0	4	0.055	1.40	1.50	38.2	0.060	1.52	1.63	41.5	2027	3017	2619	3898
11298.045400*	4	4/0	4	0.055	1.40	1.75	44.4	0.060	1.52	1.88	47.7	2657	3954	3485	5187

Dimensions and weights are nominal; subject to industry tolerances.

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