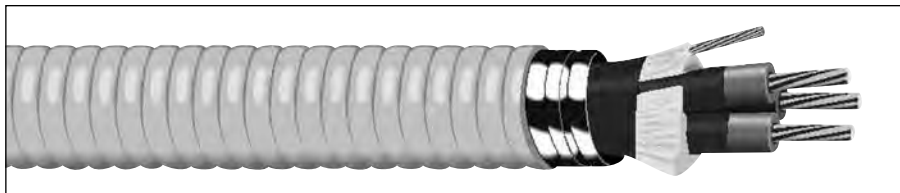


# Duralox®

EPR/AIA/PVC, Power, Nonshielded, Armored  
2400 V, UL Type MV-90 or MC, Three Conductor



**Features (cont'd.):**

- Chemical- and radiation-resistant
- Excellent crush resistance
- Flame or sunlight resistance
- Cost-effective alternative to installations in conduit
- Meets cold bend test at -40°C
- 90°C rating for continuous operation
- 130°C rating for emergency overload conditions
- 250°C rating for short circuit conditions
- Sunlight-resistant for CT use

**Product Construction:**

**Conductors:**

- 6 AWG thru 1000 kcmil bare copper, compact Class B strand

**Extruded Strand Shield (ESS):**

- Extruded thermoset semi-conducting stress control layer over conductor

**Insulation:**

- Ethylene Propylene Rubber (EPR), colored to contrast with black conducting shield layer

**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), yellow

**Options:**

- Galvanized Steel Interlocked Armor (GSIA)

**Applications:**

- Ideally suited for use in a broad range of commercial, industrial and utility applications where reliability is the major concern, maximum performance will be demanded, space is limited, ease of installation is critical and fire resistance is necessary
- May be installed in wet or dry locations, indoors or outdoors, direct burial and in exposed or concealed work
- May be used in cable trays or on approved supports in protected areas
- 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
- Excellent heat and moisture resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss

**Compliances:**

**Industry Compliances:**

- UL 1569
- UL 1072
- ICEA S-96-659/NEMA WC71
- UL Type MV-90, UL File # E90501
- UL Type MC, UL File # E90496

**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)
- ICEA T-30-520 (70,000 BTU/hr)

**Other Compliances:**

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

**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)	COND. DIA. INCHES	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
<b>6 AWG - 1000 kcmil CONDUCTORS - 115 MILS INS.</b>																
17471.580600*	3	6	0.17	6	0.115	2.92	1.16	29.4	0.050	1.27	1.27	32.2	327	487	854	1272
17471.580400*	3	4	0.21	6	0.115	2.92	1.26	31.9	0.050	1.27	1.37	34.7	473	704	1056	1572
17471.580200	3	2	0.27	6	0.115	2.92	1.37	34.8	0.050	1.27	1.48	37.6	703	1047	1363	2030
17471.585100*	3	1/0	0.34	4	0.115	2.92	1.61	41.0	0.060	1.52	1.74	44.3	1118	1665	2003	2982
17471.585200	3	2/0	0.38	4	0.115	2.92	1.71	43.3	0.060	1.52	1.84	46.6	1376	2049	2326	3463
17471.585400	3	4/0	0.48	3	0.115	2.92	1.92	48.7	0.060	1.52	2.05	52.0	2143	3191	3256	4848
17471.586000*	3	250	0.52	3	0.115	2.92	2.00	50.7	0.060	1.52	2.13	54.1	2503	3727	3689	5493
17471.586200	3	350	0.62	2	0.115	2.92	2.21	56.0	0.060	1.52	2.34	59.3	3479	5180	4825	7184
17471.586500	3	500	0.74	1	0.115	2.92	2.46	62.6	0.075	1.91	2.63	66.7	4933	7345	6567	9778
17471.587000*	3	750	0.91	1/0	0.115	2.92	2.83	72.0	0.075	1.91	3.00	76.1	7347	10940	9320	13877
17471.587500*	3	1000	1.07	1/0	0.115	2.92	3.16	80.3	0.085	2.16	3.35	85.0	9680	14414	12023	17902

Dimensions and weights are nominal; subject to industry tolerances.  
\*Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

