

Duralox® Uniblend®

EPR/AIA/PVC, Power, Shielded, Armored 5 kV/8 kV,
UL Type MV-105 or MC, 133%/100% Ins. Levels, 115 Mils, Three Conductor

Product Construction:

Conductors:

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

Extruded Strand Shield (ESS):

- Thermoset semi-conducting extruded stress control layer over conductor

Insulation:

- Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

Extruded Insulation Shield (EIS):

- Thermoset semi-conducting polymeric layer free tripping from insulation

Shield:

- Annealed copper tape with an overlap of 25%

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 is demanded, space is limited, ease of installation is critical and fire resistance is necessary



Applications (cont'd.):

- 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 support 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 105°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
- Chemical- and radiation-resistant
- Excellent crush resistance
- Cost-effective alternative to installations in conduit
- Meets cold bend test at -40°C
- 105°C rating for continuous operation
- 140°C rating for emergency overload conditions
- 250°C rating for short circuit conditions
- Sunlight-resistant for CT use

Compliances:

Industry Compliances:

- UL 1072
- ICEA S-93-639/NEMA WC74
- AEIC CS8-13 (AEIC CS8-20, Optional)
- UL Type MV-105, UL File # E518856
- 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
- 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)	COND. DIA. INCHES	INSULATION DIAMETER				GRND. WIRE SIZE (AWG)	NOM. DIA. (OVER) ARMOR		NOMINAL JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT W/AL ARMOR	
				MIN. INCHES	mm	MAX. INCHES	mm		INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000 FT	kg/ km	LBS/ 1000 FT	kg/ km

6 AWG - 1000 kcmil CONDUCTORS

5 kV, 133% INS. LEVEL OR 8 kV, 100% INS. LEVEL, 115 MILS INS.

17473.530600*	3	6	0.17	0.42	10.5	0.49	12.5	6	1.33	33.8	0.050	1.27	1.44	36.6	462	688	1133	1687
17473.530400*	3	4	0.21	0.46	11.6	0.54	13.6	6	1.43	36.4	0.050	1.27	1.54	39.2	477	710	1347	2004
17473.530200	3	2	0.27	0.51	13.0	0.59	15.0	6	1.65	41.8	0.060	1.52	1.78	45.1	710	1056	1787	2659
17473.535100*	3	1/0	0.34	0.58	14.7	0.66	16.6	4	1.79	45.4	0.060	1.52	1.92	48.7	1129	1680	2316	3446
17473.535200	3	2/0	0.38	0.62	15.7	0.70	17.7	4	1.87	47.6	0.060	1.52	2.00	50.9	1389	2067	2646	3937
17473.535400	3	4/0	0.48	0.72	18.3	0.80	20.2	3	2.08	52.9	0.060	1.52	2.21	56.2	2164	3220	3569	5311
17473.536000*	3	250	0.52	0.77	19.6	0.85	21.6	3	2.21	56.1	0.060	1.52	2.34	59.4	2528	3762	4165	6198
17473.536200	3	350	0.62	0.87	22.1	0.95	24.0	2	2.41	61.1	0.075	1.91	2.57	65.3	3514	5229	5290	7871
17473.536500	3	500	0.74	0.99	25.1	1.07	27.1	1	2.66	67.5	0.075	1.91	2.82	71.6	4983	7414	6947	10338
17473.537000*	3	750	0.91	1.17	29.7	1.25	31.8	1/0	3.06	77.7	0.085	2.16	3.25	82.6	7684	11434	10084	15005
17473.537500*	3	1000	1.06	1.32	33.5	1.40	35.6	1/0	3.40	86.3	0.085	2.16	3.58	90.9	9776	14546	12744	18963

Dimensions and weights are nominal; subject to industry tolerances.

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