

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 stripping from insulation

Shield:

- 5 mil annealed copper tape with a minimum 25% overlap

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
- UL Type MV-105, 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
- 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.		MAX.			INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000 FT	kg/ km	LBS/ 1000 FT	kg/ km
				INCHES	mm	INCHES	mm											

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	13.7	6	1.43	36.2	0.050	1.27	1.54	39.1	619	922	1354	2016
17473.530200	3	2	0.27	0.51	13.0	0.59	14.9	6	1.64	41.6	0.060	1.52	1.77	44.9	864	1286	1819	2708
17473.535100*	3	1/0	0.34	0.58	14.7	0.66	16.7	4	1.79	45.3	0.060	1.52	1.92	48.6	1298	1933	2364	3520
17473.535200	3	2/0	0.38	0.62	15.7	0.70	17.7	4	1.87	47.5	0.060	1.52	2.00	50.8	1566	2332	2696	4014
17473.535400	3	4/0	0.48	0.72	18.3	0.80	20.3	3	2.09	53.2	0.060	1.52	2.22	56.5	2360	3514	3687	5490
17473.536000*	3	250	0.52	0.77	19.6	0.85	21.5	2	2.21	56.0	0.060	1.52	2.34	59.3	2735	4072	4165	6202
17473.536200	3	350	0.62	0.87	22.1	0.95	24.1	2	2.41	61.3	0.075	1.91	2.57	65.4	3736	5563	5436	8094
17473.536500	3	500	0.74	0.99	25.1	1.07	27.1	1	2.64	67.0	0.075	1.91	2.84	72.0	5222	7776	7170	10676
17473.537000*	3	750	0.91	1.17	29.7	1.25	31.8	1/0	3.06	77.8	0.085	2.16	3.25	82.4	7684	11441	10084	15015
17473.537500*	3	1000	1.07	1.33	33.8	1.40	35.6	2/0	3.39	86.1	0.085	2.16	3.57	90.8	10057	14975	12793	19049

Dimensions and weights are nominal; subject to industry tolerances.

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