

Duralox® Uniblend®

EPR/AIA/PVC, Power, Shielded, Armored

25 kV, UL Type MV-105 or MC, 100% Ins. Level, 260 Mils, Three Conductor



Product Construction:

Conductors:

- 1/0 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), red

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, where maximum performance is demanded, space is limited, ease of installation is critical and fire resistance is necessary
- 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

Features (cont'd.):

- 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/ kcmil)	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	MAX. INCHES	mm	mm		INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000 FT	kg/ km	LBS/ 1000 FT	kg/ km

1/0 AWG - 1000 kcmil CONDUCTORS 25 kV, 100% INS. LEVEL, 260 MILS INS.

17477.535100*	3	1/0	0.34	0.85	21.6	0.94	23.9	4	2.39	60.8	0.075	1.91	2.56	64.9	1372	2043	3358	5000
17477.535200*	3	2/0	0.38	0.89	22.6	0.98	24.9	4	2.48	63.0	0.075	1.91	2.64	67.1	1641	2443	3743	5573
17477.535400*	3	4/0	0.48	0.99	25.1	1.08	27.4	3	2.70	68.6	0.075	1.91	2.86	72.7	2435	3626	4807	7158
17477.536000*	3	250	0.53	1.04	26.4	1.14	28.8	2	2.81	71.5	0.075	1.91	2.98	75.6	2810	4184	5307	7902
17477.536200*	3	350	0.62	1.14	29.0	1.23	31.2	2	3.02	76.7	0.075	1.91	3.18	80.8	3811	5675	6595	9820
17477.536500*	3	500	0.74	1.26	32.0	1.35	34.3	1	3.28	83.3	0.085	2.16	3.46	88.0	5297	7887	8485	12634
17477.537000*	3	750	0.91	1.44	36.6	1.54	39.0	1/0	3.67	93.2	0.085	2.16	3.85	97.9	7758	11552	11491	17110
17477.517500*	3	1000	1.06	1.59	40.4	1.69	42.8	2/0	4.00	101.5	0.085	2.16	4.18	106.2	10132	15087	14303	21297

Dimensions and weights are nominal; subject to industry tolerances.

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

