

Duralox® Uniblend®

EPR/AIA/PVC, Power, Shielded, Armored 35 kV
UL Type MV-105 or MC, 100% Ins. Level, 345 Mils, Three Conductor

Product Construction:

- Conductors:**
- 1/0 AWG thru 750 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:**
- Annealed copper tape with an overlap of 25%

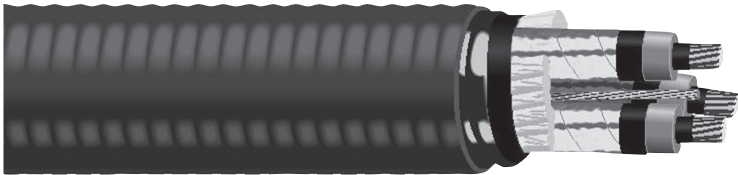
- Ground:**
- Annealed bare copper Class B stranding per ASTM B8

- Armor:**
- Aluminum Interlocked Armor (AIA)

- Jacket:**
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), 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, 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:

- UL 1685 (70,000 BTU/hr)
- IEEE 1202 (70,000 BTU/hr) CSA FT4

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.		MAX.									LBS/ 1000 FT	kg/ km	LBS/ 1000 FT	kg/ km
				INCHES	mm	INCHES	mm											

1/0 AWG - 750 kcmil CONDUCTORS
35 kV, 100% INS. LEVEL, 345 MILS INS.

17480.535100*	3	1/0	0.34	1.02	25.91	1.12	28.45	4	0.28	7.05	0.075	1.91	2.94	74.57	1129	1680.16	3725	5542.65
17480.535200*	3	2/0	0.38	1.06	26.9	1.16	29.5	4	2.86	72.6	0.075	1.91	3.02	76.7	1389	2512	4441	6613
17480.535400*	3	4/0	0.48	1.16	29.5	1.26	32.0	3	3.08	78.2	0.075	1.91	3.24	82.3	2164	3696	5572	8297
17480.536000*	3	250	0.52	1.21	30.7	1.32	33.4	3	3.19	81.1	0.085	2.16	3.38	85.7	2528	4253	6165	9180
17480.536200*	3	350	0.62	1.31	33.3	1.41	35.8	2	3.40	86.3	0.085	2.16	3.58	91.0	3514	5745	7499	11166
17480.536500*	3	500	0.74	1.43	36.3	1.53	38.9	1	3.66	93.0	0.085	2.16	3.83	97.3	4983	7957	9400	13997
17480.537000*	3	750	0.91	1.61	40.9	1.71	43.4	1/0	4.01	101.9	0.085	2.16	4.19	106.5	7419	11040	12021	17887

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