

# Duralox® Uniblend®

EPR/AIA/PVC, Power, Shielded, Armored, with Enhanced Ground Wires (50%)  
15 kV, UL Type MV-105 or MC, 133% Ins. Level, 220 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:

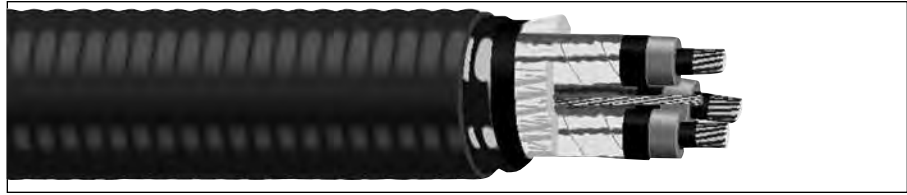
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), red

### 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, 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/ 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.			INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000FT	kg/ km	LBS/ 1000FT	kg/ km
				INCHES	mm	INCHES	mm											

### 1/0 AWG - 1000 kcmil CONDUCTORS 15 kV, 133% INS. LEVEL, 220 MILS INS.

17476.515100*	3	1/0	0.34	0.78	19.8	0.87	22.0	3x6	2.22	56.5	0.060	1.52	2.35	59.8	1469	2187	3119	4644
17476.515200*	3	2/0	0.38	0.82	20.8	0.91	24.3	3x6	2.31	58.7	0.060	1.52	2.44	62.0	1748	2603	3499	5210
17476.515400*	3	4/0	0.48	0.92	23.4	1.01	25.6	3x4	2.53	64.3	0.075	1.91	2.70	68.5	2661	3962	4752	7076
17476.516000*	3	250	0.53	0.97	24.6	1.06	26.9	3x4	2.65	67.2	0.075	1.91	2.81	71.3	3145	4683	5265	7840
17476.516200*	3	350	0.62	1.07	27.2	1.16	29.4	3x2	2.85	72.4	0.075	1.91	3.01	76.6	4212	6272	6674	9938
17476.516500*	3	500	0.74	1.19	30.2	1.28	32.4	3x1	3.11	79.0	0.085	2.16	3.30	83.7	5807	8647	8550	12731
17476.517000*	3	750	0.91	1.37	34.8	1.46	37.1	3x2/0	3.50	89.0	0.085	2.16	3.69	93.6	8574	12767	11932	17767
17476.517500*	3	1000	1.06	1.52	38.6	1.61	40.9	3x3/0	3.83	97.3	0.085	2.16	4.01	101.9	11198	16674	14957	22271

Dimensions and weights are nominal; subject to industry tolerances.

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