

INTERLOCKED ARMOR

THREE CONDUCTOR, EPR INSULATION, AIA/PVC JACKET, SHIELDED, ARMORED, 5kV/8KV, UL TYPE MV-105 OR MC, 133%/100% INS. LEVELS

Construction

Description Conductor:

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

Extruded Strand Shield:

- Thermoset semi-conducting extruded stress control layer over conductor.

Insulation:

- Ethylene Propylene Rubber (EPR) insulation, colored to contrast with black conducting layers.

Extruded Insulation Shield:

- 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).

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.
- Installed in wet or dry locations, indoors or outdoors, in exposed or concealed work.
- May be used in cable trays or on approved support in protected areas.

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 -25°C.
- Sunlight resistant for CT use.



CUSTOM CABLE CATALOG NUMBER	COND. SIZE AWG/kcmil	NUMBER OF COND.	GROUND WIRE SIZE AWG	NOM. DIA. (OVER) ARMOR INCHES	NOM. ABLE O.D. INCHES	COPPER WEIGHT	NET WEIGHT W/AL ARMOR
						lbs./1000 ft.	lbs./1000 ft.
THREE CONDUCTOR — .115 MIL EPR INSULATION, 5kV, 133% INS. LEVEL OR 8kV, 100% INS. LEVEL							
133510	6	3	6	1.51	1.66	4.59	1141
133520	4	3	6	1.60	1.73	666	1301
133530	2	3	6	1.63	1.76	863	1810
133540	1/0	3	4	1.84	1.96	1300	2366
133550	2/0	3	4	1.87	2.00	1571	2726
133570	4/0	3	3	2.14	2.26	2370	3707
133580	250	3	3	2.25	2.40	2746	4093
133590	350	3	2	2.39	2.55	3755	4531
133600	500	3	1	2.68	2.84	5258	7320
133610	750	3	1/0	3.10	3.25	7672	9939
133620	1000	3	1/0	3.41	3.56	10132	12948

Dimensions and weights are nominal; subject to industry tolerances.

Compliances:

- National Electric Code (NEC).
- UL 1072.
- ICEA S-93-639/NEMA WC-74.
- ASC CS8.
- UL listed as Type MV-105.
- IEEE 1202 (70,000 BTU/hr.)/CSA FT4.
- IEEE 383 (70,000 BTU/hr.).
- UL 1581 (70,000 BTU/hr.).
- ICEA T-29-520 (210,000 BTU/hr.).
- ICEA T-30-520 (70,000 BTU/hr.).
- Meets EPA 40 CFR part 261 for leachable lead content per TCLP method.
- OSHA acceptable.

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.

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Custom Cable Corp.



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