

MEDIUM VOLTAGE POWER CABLE

THREE CONDUCTOR, EPR INSULATION, PVC JACKET, 2400 VOLT, UNSHIELDED, MV 105

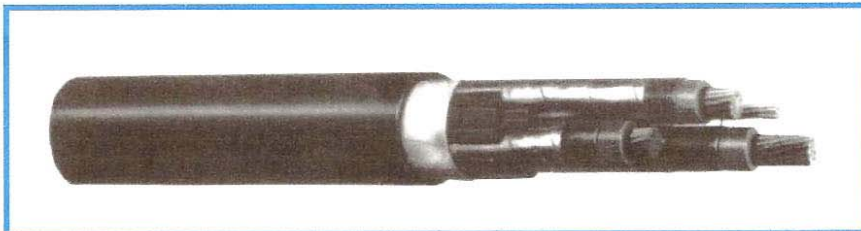
Construction

Description:

- Conductor: Class B stranded, annealed copper per ICEA S-96-659 (NEMA WC71).
- Conductor Shield: Conductor is covered with an extruded conducting thermoset compound bonded to the insulation in accordance with ICEA S-96-659.
- Insulation: Ethylene Propylene Rubber (EPR), the insulated phase conductors are printed with the numerals "1", "2" and "3" for identification.
- Assembly: The three conductors are cabled with a Class B stranded, uncoated copper grounding conductor and suitable fillers in compliance with UL Standard 1072, a binder tape is applied overall.
- Overall Jacket: Sunlight-resistant Polyvinyl Chloride (PVC) per ICEA S-96-659.
- Standards: Cable passes UL and IEEE 383 70,000 BTU/hr flame test and is rated "for CT use", listed by UL as Type MV-90 per Standard 1072.
- Ampacity: Based on a single three-conductor cable in isolated conduit in air per NEC Table 310.75 with a conductor temperature of 90°C and an ambient temperature of 40°C.
- Temperature: 90°C.
- Voltage: 2,400 V.

Applications:

- For use in power circuits up to 2,400 V when installed in open air, conduit, duct, and for wet and dry locations. Used for power applications in chemical plants, refineries, steel mills, industrial plants, utility substations and generating stations.



CUSTOM CATALOG NUMBER	COND. SIZE	NO. OF STRANDS	INSUL. THICKNESS INCHES	OVERALL JACKET THICK. INCHES	GROUND WIRE SIZE AWG	NOMINAL CABLE O.D. INCHES	APPROX. WEIGHT	AMPS. PER COND.
	(AWG/kcmil)						lbs./1000 ft.	
131410	6	7	0.115	0.080	6	1.20	770	69
131420	4	7	0.115	0.080	6	1.30	1000	91
131430	2	7	0.115	0.080	6	1.43	1315	125
131440	1	19	0.115	0.080	4	1.52	1600	140
131450	1/0	19	0.115	0.080	4	1.60	1750	165
131460	2/0	19	0.115	0.110	4	1.77	2280	190
131470	3/0	19	0.115	0.110	3	1.88	2650	220
131480	4/0	19	0.115	0.110	3	2.00	3235	255
131490	250	37	0.115	0.110	3	2.23	3700	280
131500	350	37	0.115	0.110	2	2.35	4880	350
131510	500	37	0.115	0.110	1	2.63	6640	425
131520	750	61	0.115	0.140	1/0	3.14	9490	525



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