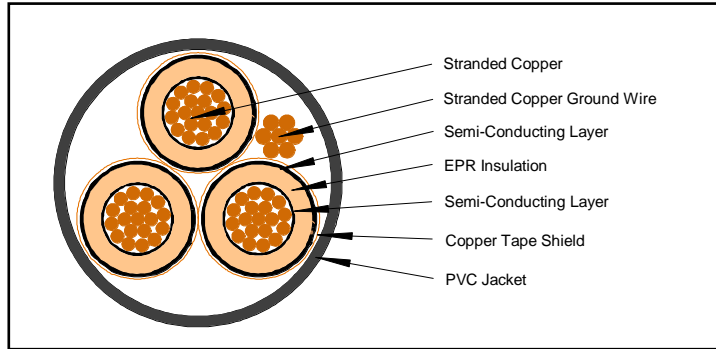


basic wire and cable

3900 N. ROCKWELL ST. CHICAGO, ILLINOIS 60618-3730, TEL: (773) 539-1800, FAX: (773) 539-3500

TYPE EPR POWER CABLE

**MV- 105 WET OR DRY
THREE CONDUCTOR W/GRD, SHIELDED
PVC JACKET
5000 Volts, 133% Insulation Level**



APPLICATION:

- A- Where NEC jurisdiction applies; as 5000 volts shielded power cable, Type MV-105, for use at conductor temperature not exceeding 105°C in wet or dry locations, when installed in accordance with the National Electrical Code.
- B- Otherwise, for general purpose applications in wet or dry locations, in circuits not exceeding 5000 volts, phase to phase, at conductor temperatures not exceeding 105°C for normal, 130°C for emergency overload, and 250°C circuit conditions. Suitable for installation in conduit, trays, troughs, ducts, aerial, and direct burial applications.

CONSTRUCTION:

Stranded copper conductor, semi-conducting layer, EPR insulation, semi-conducting layer, helically applied copper tape shield, three phase-identified conductors cabled together with fillers and a stranded copper ground wire in one interstice, cable tape, PVC jacket overall, surface printed.

STANDARDS:

1. Conforms to AEIC CS8.
2. Type MV-105 power cable, 5,000 volts.
3. Overall jacket suitable for Sunlight Resistant and Direct Buried applications.
4. Sizes 1/0 AWG and larger designed to pass the IEEE-383 flame test and are suitable "For CT Use."
5. Cables conform to ICEA S-93-639 and ICEA S-97-682.

5000 VOLTS, SHIELDED, THREE CONDUCTOR W/GROUND, 133% INSULATION LEVEL

BASIC CAT. NO.	SIZE AWG/KCMIL	NO. OF STRDS	INSUL. THICK. mils	JKT. THICK. mils	GRD. WIRE AWG	O.D. in.	WEIGHT lbs/mft
13-1101	8	7	115	80	10	1.17	825
13-1102	6	7	115	80	8	1.28	1080
13-1103	4	7	115	80	6	1.44	1245
13-1104	2	7	115	80	6	1.59	1575
13-1105	1	19	115	80	4	1.68	1950
13-1106	1/0	19	115	80	4	1.76	2250
13-1107	2/0	19	115	110	4	1.93	2585
13-1108	3/0	19	115	110	3	2.00	3040
13-1109	4/0	19	115	110	3	2.16	3685
13-1110	250	37	115	110	3	2.28	4160
13-1112	350	37	115	110	2	2.51	5340
13-1114	500	37	115	110	1	2.83	6610
13-1116	750	61	115	140	1/0	3.28	10275
13-1117	1000	61	115	140	1/0	3.64	12990

OPTIONS: Also available with -LZ Low Smoke Zero Halogen Jacket, -CP Chlorinated Polyethylene Jacket

Dimensional data not binding. We reserve the right to alter specifications without notice.
SHIPPING TOLERANCE +/- 10%

