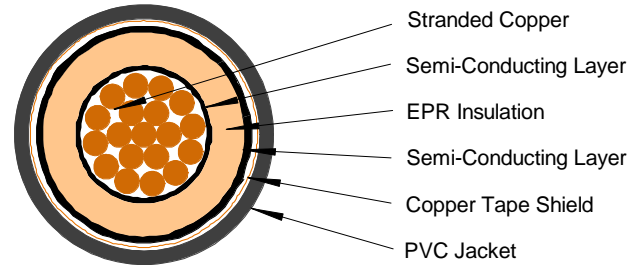


basic wire and cable

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
SINGLE CONDUCTOR, SHIELDED
PVC JACKET
5000/8000 Volts, 133/100% Insulation Levels



APPLICATION:

- A- Where NEC jurisdiction applies; as 5000/8000 volts shielded power cable (133/100% insulation levels), 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, black PVC jacket overall, surface printed.

STANDARDS:

1. Conforms to AEIC CS8.
2. Type MV-105 power cable, 5,000/8,000 volts (133/100% insulation levels).
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. Sizes 250 MCM and larger designed to pass the IEEE-1202 flame test.
6. Cables conform to ICEA S-93-639 and ICEA S-97-682.

5000/8000 VOLTS, SHIELDED, 133/100% INSULATION LEVELS

BASIC CAT. NO.	SIZE AWG/ KCMIL	NO. OF STRDS	INSUL. THICK. mils	JKT. THICK. mils	O.D. in.	WEIGHT lbs/mft
13-1005	8	7	115	60	.61	160
13-1006	6	7	115	60	.64	215
13-1007	4	7	115	60	.72	350
13-1008	2	7	115	60	.78	460
13-1009	1	19	115	60	.82	565
13-1010	1/0	19	115	60	.86	620
13-1011	2/0	19	115	80	.94	755
13-1012	3/0	19	115	80	.99	890
13-1013	4/0	19	115	80	1.05	1055
13-1014	250	37	115	80	1.10	1205
13-1016	350	37	115	80	1.21	1570
13-1018	500	37	115	80	1.36	2115
13-1021	750	61	115	80	1.54	2995
13-1022	1000	61	115	80	1.70	3870

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%

