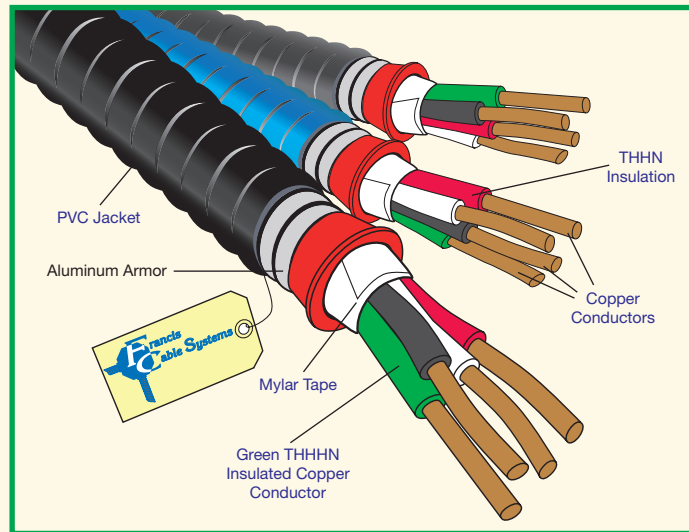


# Francis Cable Systems “Black Mamba”™ PVC-Jacketed Metal-Clad Cable (PVC-MC)

PVC-Jacketed Metal-Clad (PVC-MC) Cable is a superior cost-effective electrical cable designed for underground installation, embedment in concrete, and hazardous locations. Its oil-resistant and sunlight-resistant waterproof jacket makes it suitable for exterior aerial runs. Francis Cable Systems produces two additional PVC-jacketed MC cables for special applications. **Parking Facilities Cable** (gray color, oil and sunlight-resistant PVC jacket) for parking deck applications and other exterior or underground sites. **Swimming Pool Cable** (blue color, oil and sunlight-resistant PVC jacket) is perfect for swimming pool, water fountain, and other wet locations.

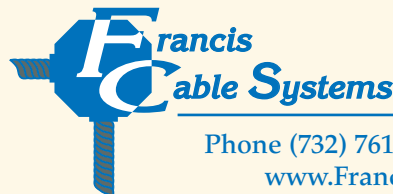


Francis Cable Systems PVC-Jacketed Metal-Clad (PVC-MC) cables are manufactured with the “Mark of Excellence”™

- UL listed and labeled 1569, 1581
- Conforms to Article 330 of NEC approved wiring method and Federal Specifications A-A-59544 (formerly J-C-30B)
- NEC 230.43, 300.5, 330, 501, 502, 503, 511.7, 513.7(A), 514.7, 515.7(A), 516.7(a), 680.21(A)
- Cable tray rated, 600 Volt, 90°C rated dry / 75° C wet
- Approved for hazardous locations to Class I, Div. 2
- Consists of two or more solid or stranded conductors; THHN/THWN insulation; insulated green conductor; mylar® (polypropylene) binder tape; aluminum armor; PVC jacket
- Made in the U.S.A. fully pre-assembled and inspected

## Francis Cable Systems “Black Mamba” PVC-Jacketed Metal-Clad Cable applications:

- For commercial, industrial, multi-residential branch, feeder, and service circuits
- Can be installed in wet, oily locations; direct burial in earth or embedded in concrete; exposed in cable trays and raceways; messenger supported aerial runs
- PVC jacket is water-proof and oil resistant, sunlight resistant



687 Prospect Street  
Lakewood, NJ 08701

Phone (732) 761-0500 Fax (732) 761-0538  
[www.FrancisCableSystems.com](http://www.FrancisCableSystems.com)



## “Black Mamba”™ PVC Jacketed Metal-Clad Cable (PVC-MC)

### Weights and Measurements

With Insulated Green Ground				
Size	Cable Weight per 1,000 Feet steel / aluminum	Armor Diameter (inches)	Jacket Diameter (inches)	Ground Conductor
12-2 Solid	235 / 163	0.470	0.575	12
12-3 Solid	276 / 194	0.500	0.605	12
12-4 Solid	321 / 229	0.535	0.640	12
10-2 Solid	315 / 222	0.535	0.640	10
10-3 Solid	370 / 269	0.575	0.680	10
10-4 Solid	462 / 331	0.650	0.755	10
8-2 Stranded	457 / 315	0.690	0.795	10
8-3 Stranded	550 / 393	0.765	0.870	10
8-4 Stranded	644 / 471	0.830	0.935	10
6-2 Stranded	569 / 421	0.755	0.860	8
6-3 Stranded	712 / 534	0.840	0.945	8
6-4 Stranded	846 / 650	0.925	1.030	8

Note: Circuit sizes are also available in stranded conductors

Note: Dimensions and weight are approximate