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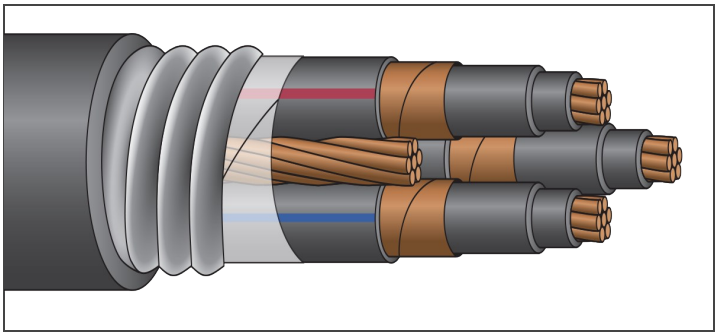
*ARMORED CABLES*



# MV-105

## 133% Jacketed EPR

15,000 Volt Copper

ISO 9001: 2015 RoHS COMPLIANT Made in the USA REACH COMPLIANCE UL LISTED

### Description:

Three stranded copper conductors with extruded semi-conductor shield, insulated with heat and moisture resistant EPR *(133% insulation level)* with conductor jacket. Phase identified and cabled together with fillers and bare copper ground conductor. Cable core covered with mylar binder tape, aluminum or galvanized steel interlocked armor, and red PVC jacket *(other jackets available upon request)*. ***Jacket available under armor and in colors.***

### Application:

Suitable for use in hazardous locations: Class I - Div 2.

### Standards:

UL 1072
ICEA S-93-639/NEMA WC-74
Flame Rated: IEEE 383 *(70,000 BTU),* ICEA T-29-520 *(210,000 BTU),* IEEE 1202/CSA FT-4
Temperature Rated at 105°C Wet/Dry *(conductors)*
Sunlight Resistant, Gasoline and Oil Resistant II Jacket
Direct Burial *(includes encasement in concrete)*
Color Code: K-2 Stripes
RoHS Compliant

| Part Number | Size (AWG or Kcmil) | Strand (no.) | Conductor Insulation Thickness (mils) | Conductor Jacket Thickness (mils) | Grounding Conductor (AWG) | Diameter Over Armor (in.) | PVC Jacket Thickness (mils) | Approx. Diameter Overall (in.) | Approx. Net Weight *Aluminum Armor* (lb./1000') | Approx. Net Weight *Galvanized Armor* (lb./1000') | Ampacity* (40°C ambient) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AP15K2/3E** | **2** | **7** | **220** | **80** | **6** | **2.57** | **75** | **2.72** | **2,987** | **3,527** | **145** |
| **AP15K1/3E** | **1** | **19** | **220** | **80** | **4** | **2.65** | **75** | **2.80** | **3,298** | **3,861** | **165** |
| **AP15K1/03E** | **1/0** | **19** | **220** | **80** | **4** | **2.77** | **75** | **2.92** | **3,674** | **4,243** | **195** |
| **AP15K2/03E** | **2/0** | **19** | **220** | **80** | **4** | **2.85** | **75** | **3.00** | **4,083** | **4,692** | **220** |
| **AP15K4/03E** | **4/0** | **19** | **220** | **80** | **3** | **3.09** | **85** | **3.26** | **5,100** | **5,733** | **290** |
| **AP15K250/3E** | **250** | **37** | **220** | **80** | **3** | **3.21** | **85** | **3.38** | **6,180** | **6,872** | **315** |
| **AP15K350/3E** | **350** | **37** | **220** | **80** | **2** | **3.41** | **85** | **3.58** | **7,507** | **8,246** | **385** |
| **AP15K500/3E** | **500** | **37** | **220** | **80** | **1** | **3.69** | **85** | **3.86** | **9,878** | **10,682** | **470** |
| **AP15K750/3E** | **750** | **61** | **220** | **110** | **1/0** | **4.21** | **85** | **4.38** | **13,610** | **14,537** | **570** |

**Per NEC Table 310.60 (C)(75). Based on one three-conductor cable. NOTE: The data shown is approximate and subject to standard industry tolerances.*