

## SIMpull CoilPAK<sup>™</sup> Wire Payoff

Work smarter with the SIMpull CoilPAK<sup>™</sup> Wire Payoff by reducing the physical effort associated with material handling, setup, and pulling compared to traditional spools, increasing both safety and productivity on the job.



Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

- Conductor:** Solid soft drawn bare copper per ASTM B3 or combination-unilay stranded soft drawn bare copper per ASTM B787
- Insulation:** Heat and moisture resistant PVC insulation in various colors
- Sheath:** Nylon jacket utilizing SIMpull<sup>®</sup> Technology
- For information about our SIMpull CoilPAK<sup>™</sup> Wire Payoff please visit us at: [SIMpull CoilPAK<sup>™</sup> Wire Payoff](#)

### APPLICATIONS AND FEATURES:

The SIMpull CoilPAK<sup>™</sup> Wire Payoff provides greater versatility and efficiency to branch circuit installations, eliminating the need for handling bulky spools and all the setup and energy that go along with them. SIMpull CoilPAK<sup>™</sup> Wire Payoffs increase both safety and productivity by reducing the physical effort associated with material handling, pulling wire out of the package, and pulling wire through conduit.

### SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B787 19 Wire Combination Unilay-Stranded Copper Conductors
- UL 83 Thermoplastic Insulated Wires and Cables
- NMX-J-010-ANCE Thermoplastic insulated wires and cables
- NOM-063-SCFI Electrical Products – Conductors – Safety Requirements

**Table 1 – Weights and Measurements**

| Cond. Size<br>AWG/Kcmil | Cond. Number | Strand Count<br>No. of Strands | Diameter Over Conductor<br>inch | Insul. Thickness<br>mil | Jacket Thickness<br>mil | Approx. OD<br>inch | Copper Weight<br>lb/1000ft | Approx. Weight<br>lb/1000ft |
|-------------------------|--------------|--------------------------------|---------------------------------|-------------------------|-------------------------|--------------------|----------------------------|-----------------------------|
| 12                      | 1            | 19                             | 0.090                           | 16                      | 5                       | 0.132              | 20                         | 24                          |

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

**Table 2 – Electrical and Engineering Data**

|    |   |     |    |       |       |       |    |    |
|----|---|-----|----|-------|-------|-------|----|----|
| 12 | 1 | 0.5 | 52 | 1.662 | 2.002 | 0.054 | 25 | 30 |
|----|---|-----|----|-------|-------|-------|----|----|

\* Ampacities based upon 2023 NEC Table 310.16 and do not take into account the overcurrent protection limitations in NEC 240.4(D) of 15 Amps for 14 AWG CU, 20 Amps for 12 AWG CU, and 30 Amps for 10 AWG CU (independent of the conductor temperature rating and stranding if size is present in table). Also, see NEC sections





310.15 and 110.14(C) for additional requirements.

\* Inductive Reactance is based on non-ferrous conduit with one diameter spacing center-to-center.

**Table 3 - One Conductor Stock Code Colors ( / means stripe. Blue/White: Blue with White Stripe)**

| Size (Strand) | Cond. Number | Blue     | Black    | Brown    | Green    | Green/Yellow | Gray     | Gray/Brown | Gray/Orange | Gray/Purple | Gray/Yellow |
|---------------|--------------|----------|----------|----------|----------|--------------|----------|------------|-------------|-------------|-------------|
| 14 (Solid)    | 1            | 58028705 | 58028505 | 58028805 | 58029105 |              | 58028905 |            |             |             |             |
| 14 (19)       | 1            | 58017105 | 58017005 | 58017205 | 58017605 |              | 58017305 |            |             |             |             |
| 12 (Solid)    | 1            | 58026705 | 58026505 | 58026805 | 58027105 | 58456605     | 58026905 | 58027705   | 58027805    | 58026305    | 58027905    |
| 12 (19)       | 1            | 58018405 | 58018205 | 58018505 | 58019505 | 58386305     | 58018605 | 58018705   | 58018905    | 58018805    | 58019005    |
| 10 (Solid)    | 1            | 58020405 | 58020305 | 58020505 | 58021105 | 58021205     | 58020605 | 58022605   | 58020805    | 58020105    | 58021005    |
| 10 (19)       | 1            | 58022205 | 58022105 | 58022305 | 58025105 | 58456705     | 58025005 | 58020705   | 58025705    | 58022705    | 58025905    |

**Table 3 Cont. - One Conductor Stock Code Colors ( / means stripe. Blue/White: Blue with White Stripe)**

| Size (Strand) | Cond. Number | Orange   | Purple   | Pink     | Red      | Tan      | White    | White/Blue | White/Black | White/Red | Yellow   |
|---------------|--------------|----------|----------|----------|----------|----------|----------|------------|-------------|-----------|----------|
| 14 (Solid)    | 1            | 58029205 | 58028605 |          | 58029305 |          | 58029405 |            |             | 58062205  | 58029505 |
| 14 (19)       | 1            | 58017705 | 58017805 | 58193305 | 58017905 |          | 58018005 | 58189905   | 58189805    |           | 58018105 |
| 12 (Solid)    | 1            | 58027205 | 58026405 | 58193105 | 58027305 |          | 58027505 | 58028105   | 58028005    | 58028305  | 58027605 |
| 12 (19)       | 1            | 58019605 | 58019705 | 58193205 | 58019805 |          | 58019905 | 58019305   | 58019205    | 58019405  | 58020005 |
| 10 (Solid)    | 1            | 58021305 | 58020205 |          | 58021405 |          | 58021505 | 58021805   | 58021605    | 58021905  | 58022005 |
| 10 (19)       | 1            | 58025205 | 58025305 | 58193005 | 58025405 | 59805002 | 58025505 | 58026105   | 58026005    | 58026205  | 58025605 |

**Table 4 - Multi Conductor Stock Code Colors ( / means stripe. Blue/White: Blue with White Stripe)**

| Size (Strand) | Cond. Number | Blue, White/Blue | Black, Red | Black, White/Black | Brown, Gray/Brown | Orange, Gray/Orange | Red, White/Red | Yellow, Gray/Yellow | Brown, Orange, Yellow | Black, Red, Green | Black, White, Green | Brown, Orange, Yellow, Green |
|---------------|--------------|------------------|------------|--------------------|-------------------|---------------------|----------------|---------------------|-----------------------|-------------------|---------------------|------------------------------|
| 12 (Solid)    | 2            | 58614501         |            | 58619401           | 58619501          | 58614701            | 58614401       | 58614801            |                       |                   |                     |                              |
| 12 (19)       | 2            | 58609701         |            | 58609501           | 58612001          | 58610001            | 58609601       | 58610101            |                       |                   |                     |                              |
| 10 (Solid)    | 2            | 58105005         |            | 58029705           | 58920505          | 58920705            | 58105505       | 58920605            |                       |                   |                     |                              |
| 10 (19)       | 2            | 58725401         | 59306201   | 58725101           | 58725701          | 58725501            | 58725201       | 58725601            |                       |                   |                     |                              |
| 12(Solid)     | 3            |                  |            |                    |                   |                     |                |                     |                       |                   | 58389701            |                              |
| 12(19)        | 3            |                  |            |                    |                   |                     |                |                     |                       |                   | 58453301            |                              |
| 10(19)        | 3            |                  |            |                    |                   |                     |                |                     | 58114302              | 59799501          |                     |                              |
| 12(19)        | 4            |                  |            |                    |                   |                     |                |                     |                       |                   |                     | 58139402                     |
| 10(19)        | 4            |                  |            |                    |                   |                     |                |                     |                       |                   |                     | 58138504                     |

**Table 5 - MINI One Conductor Stock Code Colors ( / means stripe. Blue/White: Blue with White Stripe)**

| Size (Strand) | Cond. Number | Blue     | Black    | Brown    | Green    | Green/Yellow | Gray     | Gray/Brown | Gray/Orange | Gray/Yellow |
|---------------|--------------|----------|----------|----------|----------|--------------|----------|------------|-------------|-------------|
| 14 (19)       | 1            |          |          |          | 58017606 |              |          |            |             |             |
| 12 (Solid)    | 1            | 58026704 | 58026504 | 58026804 | 58027104 | 58456604     | 58026904 | 58027704   | 58027804    | 58027904    |
| 12 (19)       | 1            | 58018404 | 58018204 | 58018504 | 58019504 | 58386304     | 58018604 | 58018704   | 58018904    | 58019004    |

**Table 5 Cont. - MINI One Conductor Stock Code Colors ( / means stripe. Blue/White: Blue with White Stripe)**

| Size (Strand) | Cond. Number | Orange   | Purple   | Pink     | Red      | White    | White/Blue | White/Black | White/Red | Yellow   |
|---------------|--------------|----------|----------|----------|----------|----------|------------|-------------|-----------|----------|
| 12 (Solid)    | 1            | 58027204 | 58026404 | 58193104 | 58027304 | 58027504 | 58028104   | 58028004    | 58028304  | 58027604 |
| 12 (19)       | 1            | 58019604 | 58019704 | 58193204 | 58019804 | 58019904 | 58019304   | 58019204    | 58019404  | 58020004 |





**Table 6 - MINI Multi Conductor Stock Code Colors ( / means stripe. Blue/White: Blue with White Stripe)**

| Size (Strand) | Cond. Number | Blue, White/Blue | Black, White/Black | Brown, Gray/Brown | Orange, Gray/Orange | Red, White/Red | Yellow, Gray/Yellow | Black, White, Green |
|---------------|--------------|------------------|--------------------|-------------------|---------------------|----------------|---------------------|---------------------|
| 12 (Solid)    | 2            | 58614504         | 58619404           | 58619504          | 58614704            | 58614404       | 58614804            |                     |
| 12 (19)       | 2            | 58609704         | 58609504           | 58612004          | 58610004            | 58609604       | 58610104            |                     |
| 12 (Solid)    | 3            |                  |                    |                   |                     |                |                     | 58389703            |
| 12 (19)       | 3            |                  |                    |                   |                     |                |                     | 58453303            |

