SIMpull CoilPAK™ Wire Payoff

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Solid soft drawn bare copper per ASTM B3 or combination-unilay stranded soft drawn bare copper per ASTM B787
2. **Insulation:** Heat and moisture resistant PVC insulation in various colors
3. **Sheath:** Nylon jacket utilizing SIMpull® Technology

APPLICATIONS AND FEATURES:

The SIMpull® CoilPAK™ 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™ 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

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Diameter Over Conductor	Insul. Thickness	Approx. OD	Approx. Weight
	AWG/Kcmil	No.	No.	inch	mil	inch	lb/1000ft
580285◊	14	1	Solid	0.064	20	0.106	16
580264◊	12	1	Solid	0.080	20	0.123	23
586144◊	12	2	Solid	0.080	20	0.245	47
583897◊	12	3	Solid	0.080	20	0.368	70
580202◊	10	1	Solid	0.101	25	0.154	37
580297◊	10	2	Solid	0.101	25	0.307	73
586095◊	12	2	7	0.088	20	0.260	48
584533◊	12	3	7	0.088	20	0.390	73
580170◊	14	1	19	0.070	20	0.113	17
580182◊	12	1	19	0.090	20	0.132	25
580207◊	10	1	19	0.113	25	0.165	39
587251◊	10	2	7	0.113	25	0.326	76

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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

Cond. Size	DC Resistance @ 25°C	AC Resistance @ 90°C	Inductive Reactance	Max Pull Tension	Min Bending Radius	Allowable Ampacity At 60°C	Allowable Ampacity At 75°C	Allowable Ampacity At 90°C
AWG/ Kcmil	Ω/1000ft	Ω/1000ft	Ω/1000ft	lb	inch	Amp	Amp	Amp
14	2.580	3.170	0.058		0.4	15	20	25
12	1.662	2.002	0.054		0.5	20	25	30
12	1.662	2.002	0.054		0.9	20	25	30
12	1.662	2.002	0.054		1.4	20	25	30
10	1.040	1.253	0.050		0.6	30	35	40
10	1.040	1.253	0.050		1.2	30	35	40
12	1.662	2.002	0.054		1.0	20	25	30
12	1.662	2.002	0.054		1.5	20	25	30
14	2.580	3.170	0.058		0.6	15	20	25
12	1.662	2.002	0.054		0.5	20	25	30
10	1.040	1.253	0.050		0.7	30	35	40
10	1.040	1.253	0.050		1.3	30	35	40

* Inductive impedance is based on non-ferrous conduit with one diameter spacing.