

# CAROL® PowrFlex™

600 V, UL Type THHN/THWN-2 90°C (Wet or Dry)



Over the past 70 years, Prysmian's CAROL® brand has become synonymous with innovation and excellence in wire & cable products. Today, Prysmian is proud to introduce CAROL® PowrFlex™, the latest innovative solution ideal for data center power generation. Compared to traditional DLO portable power cables, PowrFlex delivers flexibility, the highest strand count, significant cost savings, and shorter lead time.



## CONSTRUCTION

### Conductor

- Bare annealed copper wire (bunched or concentric) per ASTM B3, B174, B172
- 250 thru 750 kcmil Class I flexible stranded bare copper

### Insulation

- Polyvinyl chloride (PVC)

### Jacket

- Tough Polyamide (Nylon)

## APPLICATIONS

- Data Centers
- Airport Expansion
- Education Buildings
- Oil & Gas
- Power Generation
- Renewable Energy
- Transit
- Wastewater Treatment Plants

## PERFORMANCE

- UL Type THHN/THWN-2
- Rated Gasoline and Oil Resistant II
- Sunlight-resistant (black only)
- ICEA S-95-658/NEMA WC70
- Flame Test Compliances:
  - VW-1
  - FT1 Vertical Flame Test
  - For CT USE
  - FT4/IEEE 1202 Type Flame Exposure Test
- C(UL) T90 NYLON/TWN75
- Meets cold bend and cold impact tests at -25°C C(UL)

AWG Size	Conductors		Insulation		Jacket		Approx. Weight/1000ft – nom. (lb)	Ampacity(1) 90°C
	Strand	Conductor OD – nom. (in)	Min Avg. Wall (in)	Cable OD – nom. (in)	Min Avg. Wall (in)	Cable OD – nom. (in)		
4/0	2062	0.530	0.05	0.630	0.008	0.646	725	260
250 kcmil	627	0.615	0.06	0.745	0.008	0.751	875	290
350 kcmil	855	0.715	0.06	0.835	0.008	0.851	1200	350
500 kcmil	1235	0.880	0.06	0.943	0.008	1.016	1650	430
600 kcmil	1470	TBD	0.07	TBD	0.009	TBD	TBD	475
750 kcmil	1850	1.090	0.07	1.210	0.009	1.256	2500	535
1000 kcmil	2527	TBD	0.07	TBD	0.009	TBD	TBD	615

(1) Ampacities per 2014 NEC Table 310.15(B)(16).

