



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 30280  
**DESCRIPTION:** 8/5 STRANDED TYPE PPE PORTABLE POWER CABLE  
**CONSTRUCTION:** This cable consists of five bare copper TPE insulated conductors twisted with fillers and an overall TPE jacket.  
**APPROVALS:** UL Type PPE, PPC/TPE CSA C22.2 No. 96, NEC Article 400., MSHA  
**APPLICATION:** 2000V Portable Water Resistant Outdoor Submersible Flexible Power Cable

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## Construction Parameters:

|                              |                                      |
|------------------------------|--------------------------------------|
| Conductor                    | 8 AWG Bare Copper                    |
| Stranding                    | 7x24/30                              |
| Insulation Material          | TPE                                  |
| Insulation Thickness         | 0.062" Nom.                          |
| Insulated Conductor Diameter | 0.277" Nom.                          |
| Number of Conductors         | 5                                    |
| Lay Length                   | 7.00" Nom.                           |
| Filler Type                  | Non-Wicking Polypropylene            |
| Separator/Wrap               | Paper                                |
| Jacket Material              | TPE                                  |
| Jacket Thickness             | 0.136" Nom.                          |
| Overall Cable Diameter       | 1.020" Nom.                          |
| Approximate Cable Weight     | 590.0 Lbs/1M' Nom.                   |
| Flame Rating                 | UL/CSA Horizontal Flame Test<br>MSHA |

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## Electrical Properties:

|                                    |                                                         |
|------------------------------------|---------------------------------------------------------|
| Temperature Rating                 | -50°C to 90°C DRY, 75°C WET                             |
| Operating Voltage                  | 2000V RMS Max                                           |
| DC Resistance per Conductor @ 20°C | 0.067 Ohms/1M'                                          |
| Ampacity per NEC Table 400-5(b)    | 52 amps/cond. (Assume four current carrying conductors) |

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|                   |                                                  |
|-------------------|--------------------------------------------------|
| Insulation Colors | Black White Red Green Orange                     |
| Jacket Color      | Black (Other colors available for minimum order) |

|                 |                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Legend (Indent) | CCI SEOPRENE 8 AWG (8.87mm <sup>2</sup> ) 5/C TYPE PPE E172226 (UL) 2000V 90C DRY 75C WET C(UL) TYPE PPC/TPE 2000V -40C TO 105C 75C WET FT-5 SUNLIGHT RESISTANT P-241-3-MSHA |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

*This product complies with European Directive 2002/95/EC (RoHS)*

Note: Type PPE cable is identical to Type W cable except it has TPE insulation and jacket.

On special orders, the customer will accept all mil lengths and +/- 10 percent of total order requested.

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