



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 30214  
**DESCRIPTION:** 500 MCM UL LISTED TYPE PPE CABLE  
**CONSTRUCTION:** This cable consists of one bare copper conductor with TPE insulation and TPE jacket.  
**APPROVALS:** UL Type PPE, PPC/TPE CSA C22.2 No. 96, NEC Article 400., MSHA  
**APPLICATION:** 2000V Portable Wet Rated Submersible Outdoor Flexible Power Cable

## Construction Parameters:

Conductor	500 MCM Bare Copper
Stranding	19x7x38/30
Insulation Material	TPE
Insulation Thickness	0.120" Nom.
Insulated Conductor Diameter	1.090" Nom.
Number of Conductors	1
Binder	Nylon Mesh Between Insulation and Jacket
Jacket Material	TPE
Jacket Thickness	0.157" Nom.
Overall Cable Diameter	1.410" Nom.
Approximate Cable Weight	2315.1 Lbs/1M' Nom.
Flame Rating	UL/CSA Horizontal Flame Test

## Electrical Properties:

Temperature Rating	-50°C to 90°C DRY, 75°C WET
Operating Voltage	2000 V RMS Max.
DC Resistance per Conductor @ 20°C	0.021 Ohms/1M' Nom.
Max Ampacity per Conductor (Per NEC Table 400-5b)	700 amps/cond (Assume one current carrying conductor in free air)

Insulation Colors	Black
Jacket Color	Black

Legend (Indent) CCI SEOPRENE 500 MCM 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 2011/65/EU (RoHS-2)

## INSTALLATION GUIDELINES

Cable Breaking Tension, Max., Lbs.:	15,000
Cable Yield Tension, Max., Lbs.:	4,000
Cable Bending Radius, Min., Inches	10
Pulling Lubricants:	3M Lube-I Series, Polywater Dynablue, or equivalent; soaps & mineral greases are NOT recommended.
Kellem Grip Length Coverage, Min., Inches	29

### General Installation Comments:

1. Never exceed the cable yield tension else conductor "neckdown" (cross sectional area reduction) can occur.
2. Factors affecting pull include: a) type & diameter of duct, b) type & diameter of cable, c) length of pull, d) no. of horizontal & vertical bends in the run, e) use of & type of pulling lubricant.
3. If using a winch for the pull-in, pulling tension will not always be smooth so surges must be considered to insure that the cable yield tension is NOT exceeded.
4. Note that the minimum bending radius is based upon the inner cable surface of the bend, not on the cable central axis nor the top surface of the cable.
5. Cables should be would slowly and smoothly off of the reel without twists, bends, or kinks in the cable.
6. The cable must never be pulled from a coil or as a coil from a reel laid on its flange.
7. Never exceed the minimum cable bend radius

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

Packaging will be Coleman's standard wooden reels with shrink-wrap over the cable.

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

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Customer Name \_\_\_\_\_ Date Signed \_\_\_\_\_

Customer Approval \_\_\_\_\_

Specification Issue Date: February 7, 2014