

## EPR/CSPE

### Direct Burial Cable

#### Flexible Double Insulated Cable

To deliver long-life protection to buried or submerged metallic structures you need a cable, which can perform in all types of environments. EPR/CSPE is a double insulated cable, which has been used extensively as an anode lead wire. It has demonstrated excellent resistance to acids and petroleum hydrocarbons, and can sustain significant mechanical abuse without risk of damage to the electrical conductor. The cable is composed of stranded copper wire, which is coated to prevent oxidation.

Because a greater number of strands are used which are relatively small in diameter, the EPR/CSPE cable has greater flexibility than most direct burial cable.

Dielectric protection to the copper wire is furnished through a two-part insulation. The outer portion of this insulation consists of chlorosulfonated polyethylene. The material can be severely stretched without risk of notch propagation. It is also resistant to moisture intrusion and can operate in a wide range of temperatures without becoming deformed. The insulation material directly surrounding the copper wire is made from ethylene propylene. This insulation material is extremely resilient, and shields the copper wire from most organic and inorganic substances.



#### Typical Applications

EPR/CSPE can be installed indoors or out, in wet or fry locations. It is used primarily as a lead wire for cathodic protection systems. While it can withstand most oils, acids, and alkalies, it is important to consult your Corrpro representative to ensure the cable is appropriate for a particular environment.



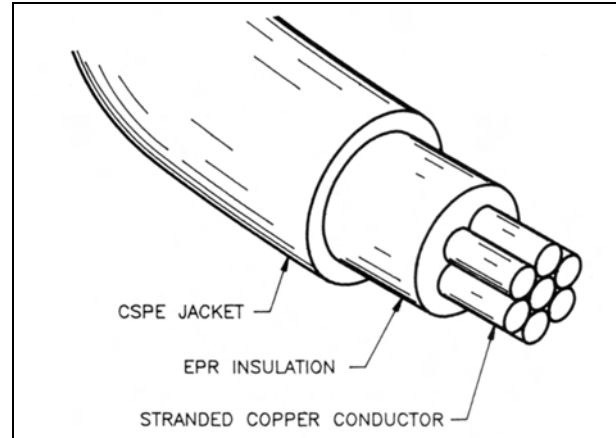
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## EPR/CSPE Direct Burial Cable

### Ordering Procedure

The EPR/CSPE cable may be used as a lead wire for a number of anodes manufactured by Corrpro. It can also be purchased separately. To order the cable for your particular application, indicate that you need the EPR/CSPE cable and specify the lineal feet desired and the wire size. An example is provided to help illustrate this process.



Ordering Procedure Example	
ITEM	EXAMPLE
Quantity <i>(Lineal Feet)</i>	<i>2,000 ft.</i>
Wire Size	<i>1/0</i>
Wire Type	<i>EPR/CSPE</i>

EPR/CSPE Order Information				
WIRE SIZE	NUMBER OF STRANDS	INSULATION THICKNESS	JACKET THICKNESS	NOMINAL O.D.
AWG (mm <sup>2</sup> )		in. (mm)	in. (mm)	in. (mm)
6 (16)	7	0.045 (1.143)	0.030 (0.762)	0.34 (8.64)
<i>1/0 (50)</i>	<i>19</i>	<i>0.055 (1.397)</i>	<i>0.045 (1.143)</i>	<i>0.58 (14.73)</i>



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