



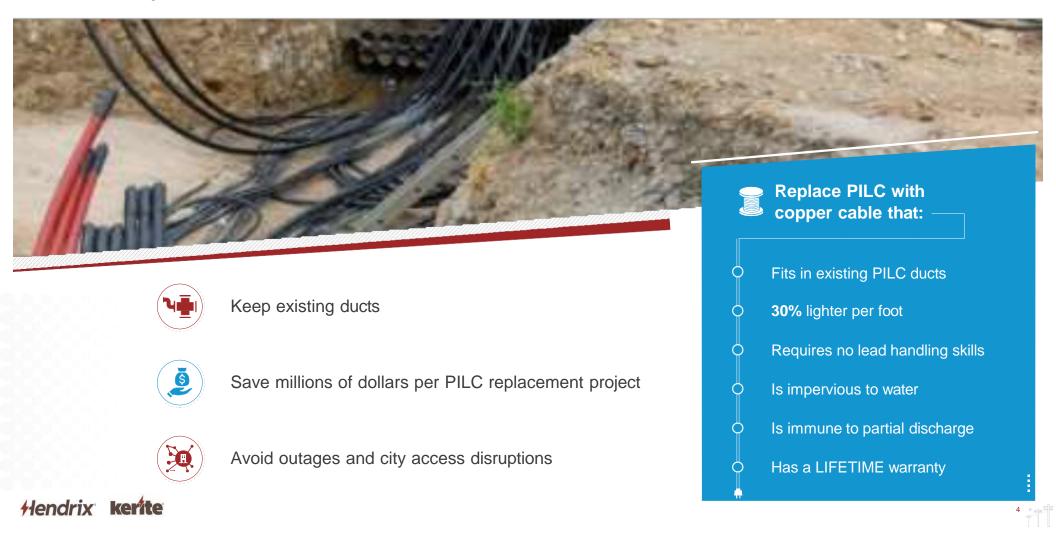


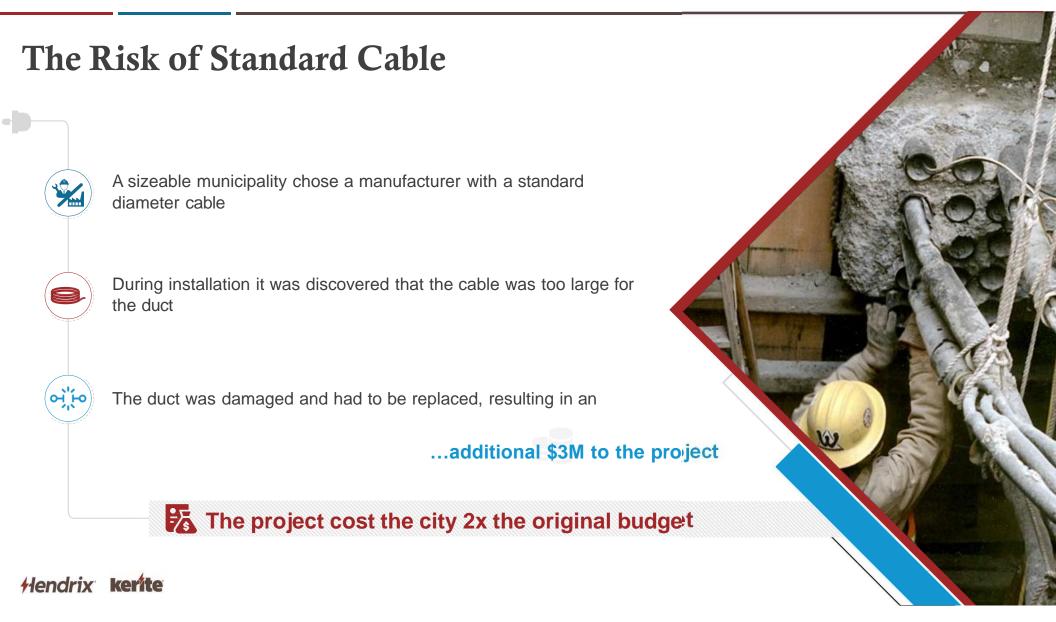


### The Challenges You Face



### What if you could?





### **Real Results**

#### The nation's largest municipality owned energy utility located in the South Central region



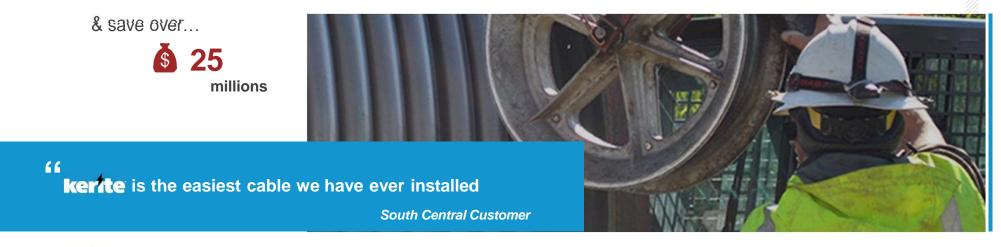
The City was embarking on a PILC replacement project



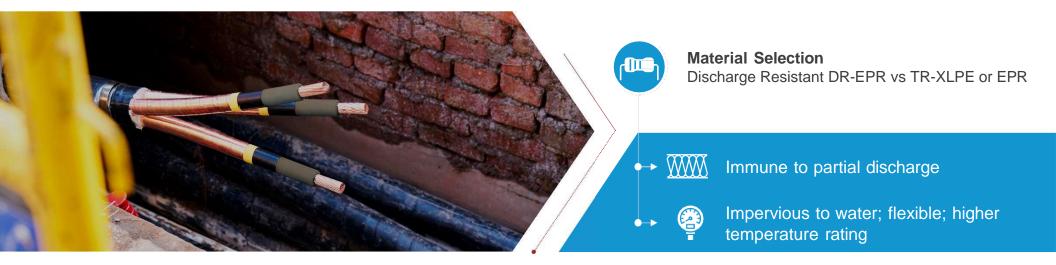
The existing clay duct was over **50 years** old and had deterioration, which caused variances in the duct diameter



Kerite provided a reduced wall diameter cable that allowed the customer to utilize the existing duct



## A Better Approach



Better Shield = Better Dielectric Performance = Reduced Diameter



Cooper Tape & Flat strap neutrals

Hendrix kerite

Insulation shield thickness reduction – allowed due to minimal neutral indent





## What Make Us Different From The Rest

### **KERITE DR-EPR**

(Discharge Resistant Ethylene Propylene Rubber)

- EPR/EPDM Based Compound
- Formulated Resistance To Partial Discharge
- 100 times more resistant
- Brown in Color, High Flexibility (2x's)

- Recognized as Discharge Resistant by AEIC/ICEA
- Improved Thermal Characteristics
- Long-Term Stability In Wet Environments



**XLPE** Average 45 hours to failure



**TR - XLPE** Average 80 hours to failure



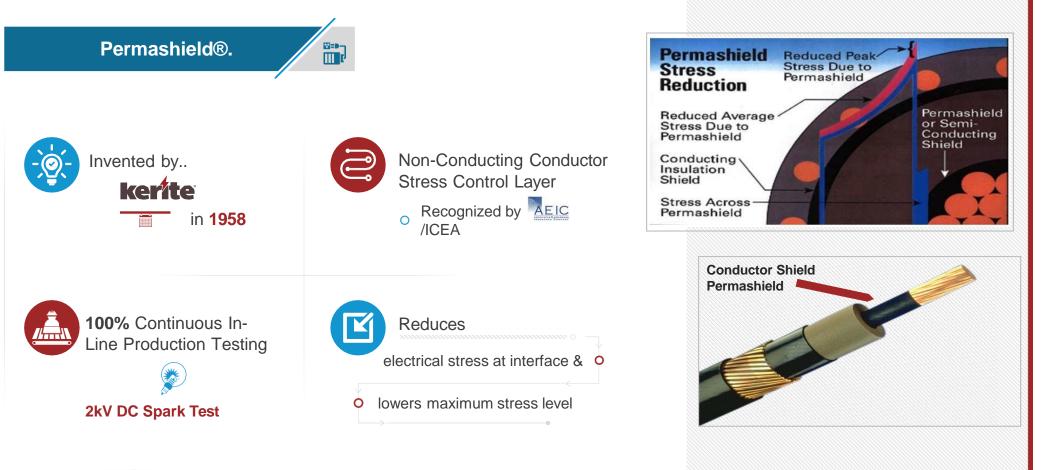
Standard EPR Average 200 hours to failure

Discharge Resistant EPR™ > 250 hours without the start of any erosion

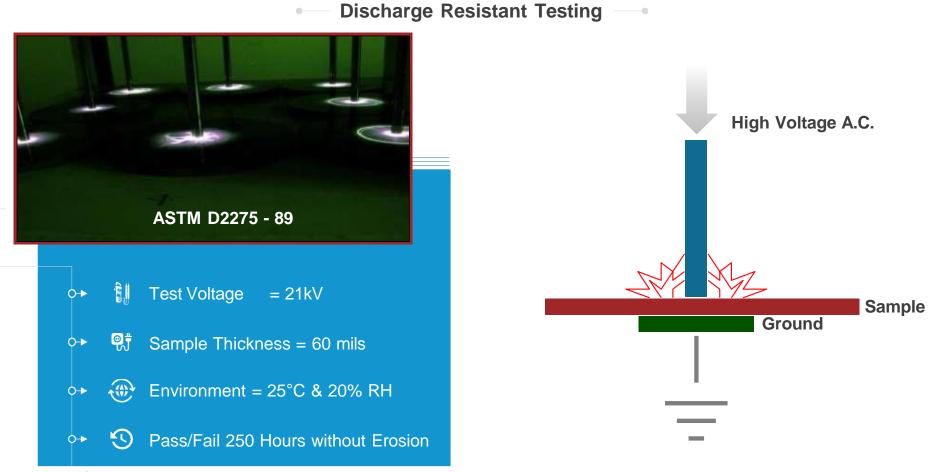
kerite

Discharge Resistant EPR™

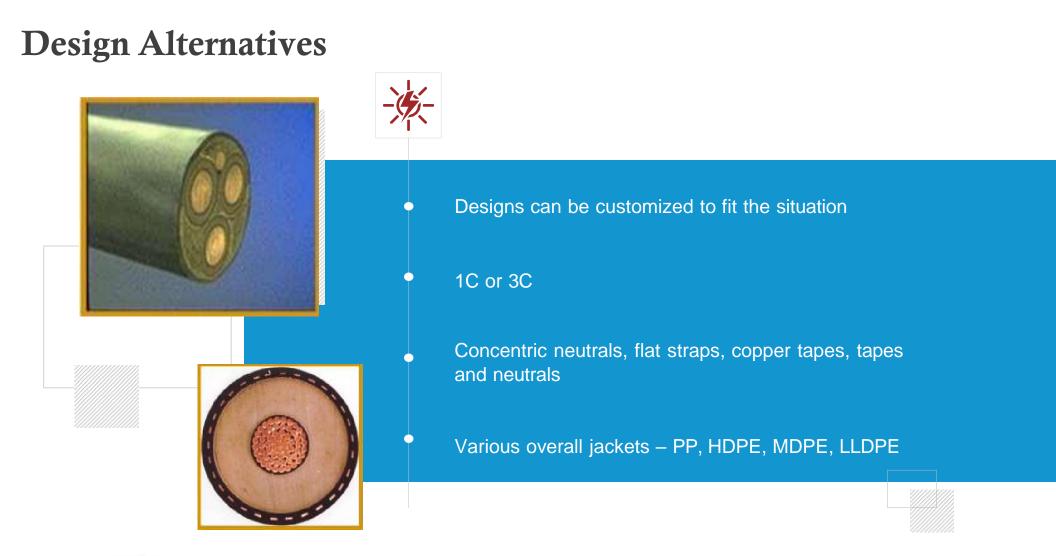
## What Make Us Different From The Rest

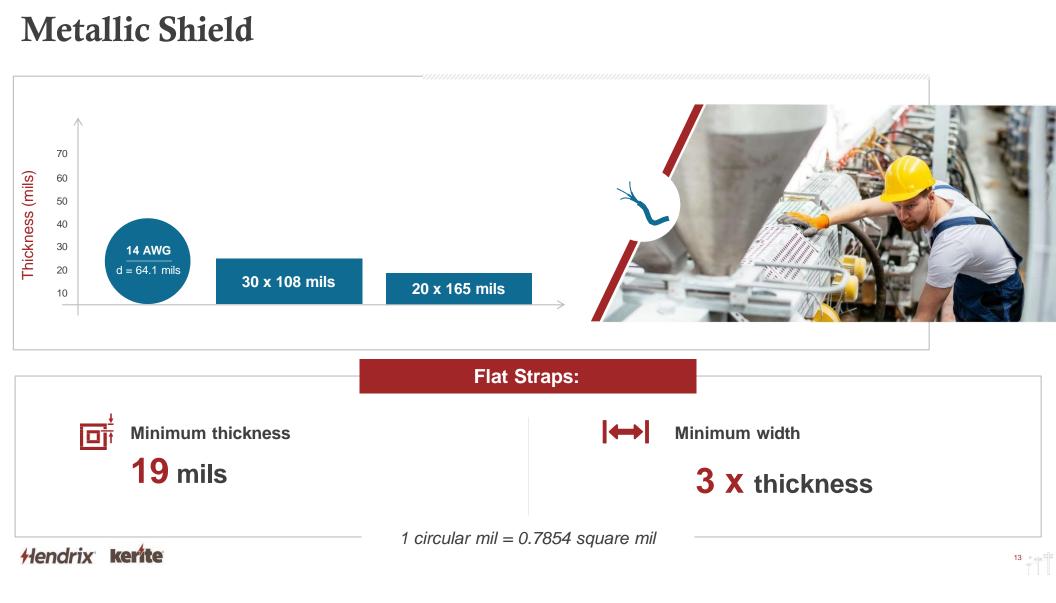


### What Make Us Different From The Rest



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### **Reduced Diameter Power Cable Benefits**







### **Reduced Diameter Power Cable Design Comparison**



PILC vs 3-1/C Triplexed of Reduced Diameter Design and Standard URD





# **Kerite Solution – Benefits**

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Less expensive alternative than replacing entire duct systems



No lead sheath



No oil used in cable

Today's standard manufacturing and installation practices

- > No monitoring for lead in blood
- > Does not require lead wiping skills



Increased emergency and short circuit temperature ratings

Hendrix kerite

The Kerite solution for reduced diameter PILC cable replacement Permashield® + Kerite DR-EPR insulation

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Hendrix kerite

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