3M™ Cold Shrink Joints & Terminations

For High Voltage Applications

Customer: Iberdrola
Voltage Class: 72,5 kV
Location:
Agoncillo (La Rioja), Spain
Date Completed:
February 2009

The electric utility Iberdrola needed to upgrade its power network in Agoncillo, Spain, but narrow manholes prevented the company from installing standard cable accessories. 3M engineers worked with the utility to develop a customized solution using 3M Cold Shrink technology. The 3M solution met the tight space requirements, allowing Iberdrola to upgrade its power network and resume delivering reliable service to its customers.

A Custom Fit for a Small Space

Introduction

When the electric utility Iberdrola needed to upgrade its power network in the village of Agoncillo, located in Spain's La Rioja province, the company turned to 3M for a solution. 3M has the technology platform and expertise to develop customized solutions for high voltage applications. Even when faced with a tight space limitation, 3M engineers developed a solution that overcame Iberdrola's constraints, enabling the utility to continue delivering reliable service to its customers.

Customer Challenge

Past power failures dictated Iberdrola's need to upgrade the voltage of their cable accessories in Agoncillo. However, an off-the-shelf solution would not meet the utilities needs. The manholes in the city are particularly narrow, preventing Iberdrola from using standard cable accessories.

3M Solution

3M worked with Iberdrola to develop a customized solution: A 3M™ Cold Shrink Joint body for stress control and a special re-jacketing tape to provide mechanical protection. The customized solution consisted of a compact joint that fit the small space required by Agoncillo's manholes.

Conclusion

Challenged with space constraints, 3M engineers worked with Iberdrola to develop a customized solution that consisted of a 3M Cold Shrink Joint body wrapped with re-jacketing tape. The solution proved to be a perfect fit for the city's narrow manholes. The 3M solution enabled Iberdrola to upgrade its power network with high quality, reliable cable accessories in Agoncillo.

3M Cold Shrink Joint Kit QS-III installation in manhole.

Contact your 3M technical sales representative or call 3M customer service at 800-245-3573 for additional information or to place an order.

Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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