



TPC WIRE & CABLE CORP.  
EXPECT HIGH PERFORMANCE®

# Case Study: Extreme Temperature & Chemicals



**Total Savings  
in Material and  
Labor = \$359,000  
and Increased  
Production by  
1,692 Hours**

*Source: TPC Cost Value  
Analysis Report # 2528,  
2529*

## STEEL PLANT REPLACES CABLE IN MOTOR POWER APPLICATION

### CUSTOMER PROBLEM:

A steel plant in Fairfield, Alabama was replacing their ordinary cable every three months on a motor power application in their pipe mill. The cable jacket was degrading to the point of failure due to extreme hot temperatures and oil abrasion. They had 100 motors that were showing the same failure.

### TPC SOLUTION:

Our TPC sales representative recommended that they try our Chem-Gard™ 200 product. This product was designed specifically for high heat applications with a fluoropolymer jacket that can withstand temperatures up to 200°C (392°F). It also is designed with fluoropolymer conductor insulation and high temperature fluoropolymer fillers, which don't wick up any oils or coolants and are extremely chemical resistant.

### CUSTOMER'S RESULT:

Our customer updates us yearly that this product is still in the application. Just recently, they confirmed that it has been four years that the cable has been in application – on all 100 motors! At this time, it has saved our customer about \$359,000 in material and labor costs and increased production hours by 1,692.

**TPC PRODUCT: Chem-Gard™ 14/4 & 12/4 Unshielded Multi-Conductor High Temp Non-Shielded Braid Cable**

TPC WIRE & CABLE CORP. HEADQUARTERS 9600 VALLEY VIEW RD, MACEDONIA, OHIO 44056  
USA 800-521-7935 • FAX 866-528-2930 • CANADA 800-545-0122 • MEXICO 001-877-283-1696  
CHILE 1230-020-0229 • COLOMBIA 0-1-800-915-7519 • PERU 0800-54863 • [WWW.TPCWIRE.COM](http://WWW.TPCWIRE.COM)

### WANT TO LEARN MORE ABOUT TPC?

Visit us at [www.tpcwire.com](http://www.tpcwire.com) or call 800-521-7935.

**WARRANTY AND DISCLAIMER:** Seller makes no warranties, express or implied, with respect to this product, and seller disclaims any implied warranties of merchantability or fitness for any particular purpose. Further, seller will not be responsible for any consequential, incidental or indirect damages (including, but not limited to, any loss of profit) from any cause whatsoever.

©Copyright 2014 by TPC Wire & Cable Corp. All rights reserved. No portion of this publication, whether in whole or in part, can be reproduced without the express written consent of TPC Wire & Cable Corp.

