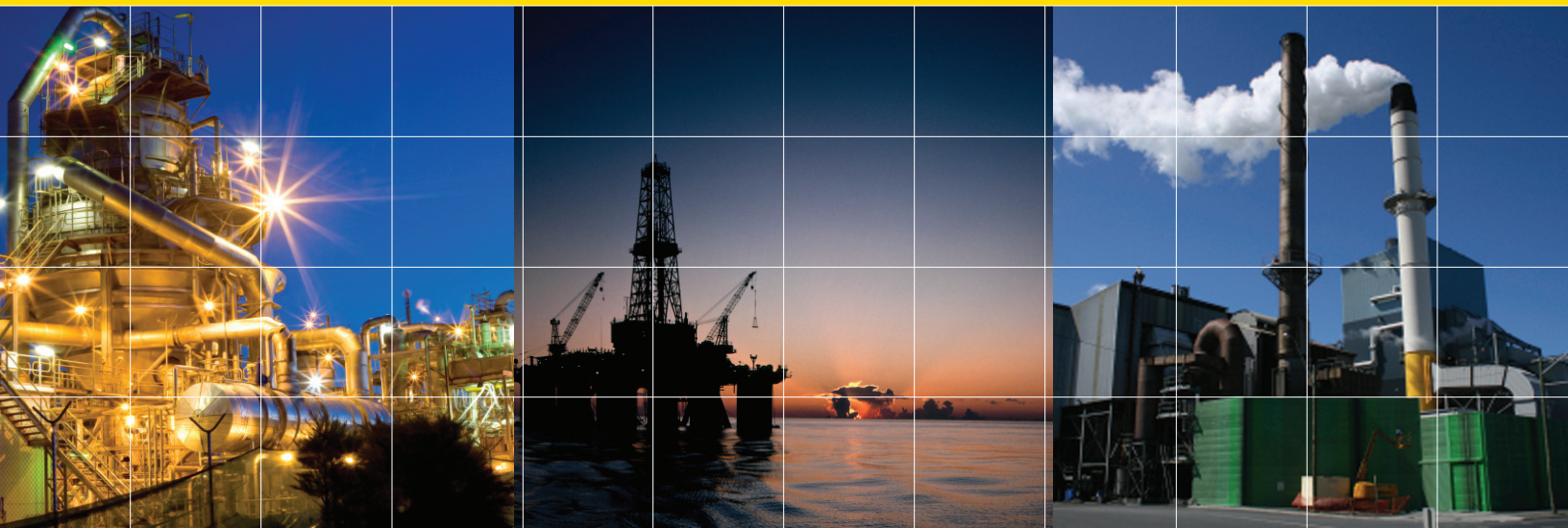


## PRODUCT HIGHLIGHTS



# WIRING SOLUTIONS

For Hazardous Areas



TPC WIRE & CABLE CORP.  
*EXPECT HIGH PERFORMANCE®*

## Solutions for Hazardous Areas

As a leading supplier of rugged wire, cable, connectors, and assemblies used in harsh industrial environments for more than 40 years, TPC Wire & Cable Corp. is well-versed in providing tough, industry-rated solutions for hazardous locations. So, if you require contained wiring solutions as a result of the flammable gases, vapors, or other combustible materials present in your industrial atmosphere, we've got you covered. We serve a variety of industries including the steel, auto, utility, food & beverage, oil & gas, mining, transportation, general manufacturing, and wood, pulp & paper markets – to name a few.



### Rugged Cable Lines for Broad Application

First, let's talk cable. You need power and providing electrical power is at the core of what we do. We offer Extra-Hard Usage cable that is UL-Listed and suitable for NEC Hazardous Location Classes I, II, III, Divisions 1 and 2. Our cable lines are known for standing up to abrasion, continuous flexing, caustic chemicals, and extreme temperatures. Plus, our cable is specially engineered for maximum flex life. You can find these features, and more across our products.

### Classification & Division Cable Selection Chart

PRODUCT FAMILY	NEC DESIGNATION	HAZARDOUS LOCATIONS					
		CLASS I		CLASS II		CLASS III	
		DIV 1	DIV 2	DIV 1	DIV 2	DIV 1	DIV 2
Super-Trex Ultra-Gard Type TC Portable Cord	Extra-Hard Usage	X	X	X	X	X	X
Super-Trex Yellow/Black Triple-Gard	Extra-Hard Usage	X	X	X	X	X	X
Super-Trex 18 AWG/16 AWG Reduced Diameter Control Cable	Type TC-ER		X		X	X	X
Super-Trex 12 AWG Reduced Diameter Control Cable	Type TC		X		X	X	X
Super-Trex Multi-Conductor P&R Cable	Type TC		X		X	X	X
Super-Trex 4/0 Type TC Power Cable	Type TC		X		X	X	X
Super-Trex Type W Portable Power & Automation Cable	Extra-Hard Usage	X	X	X	X	X	X
Super-Trex Type W/Type TC Portable Power & Automation Cable	Extra-Hard Usage	X	X	X	X	X	X
Super-Trex Aramid Reinforced Orange Portable Power Reeling Cable	Extra-Hard Usage	X	X	X	X	X	X
Super-Trex Type W, RHH/RHW-2 Single Conductor Power Cable	Extra-Hard Usage	X	X	X	X	X	X
Super-Trex Variable Frequency Drive Shielded Power Cable	Type TC-ER		X		X	X	X
Trex-Onics Variable Frequency Drive Shielded Power Cable	Type TC-ER		X		X	X	X
Trex-Onics Variable Frequency Drive Shielded Power Cable with Brake & Signal Pairs	Type TC-ER		X		X	X	X
Super-Trex Type MV-105 Medium Voltage Cable	Type MV		X		X	X	X
Trex-Onics DeviceNet, Flex-Net Cables	Type PLTC		X		X	X	X
Trex-Onics High-Flex PROFINET Cable	Type PLTC		X		X	X	X
Chem-Gard 200 Type TC Rated Cable	Type TC		X		X	X	X

CLASS I - Flammable gases or vapors are present in the air in quantities sufficient to produce explosive or ignitable mixtures

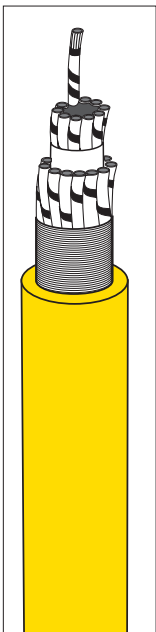
CLASS II - Combustible or conductive dusts are present in the air in quantities sufficient to produce explosive or ignitable mixtures

CLASS III - Ignitable fibers or flyings are present, but not likely to be in suspension in sufficient quantities to produce ignitable mixtures

DIVISION 1 - The substance referred to by CLASS is present during normal conditions

DIVISION 2 - The substance referred to by CLASS is present only in abnormal conditions

*NOTE: Based upon U.S. National Electrical Code, NFPA 70 (2017 NEC Book)*



## Super-Trex® Control Cable Helps Aid Flexing On Top Drive System

### CUSTOMER PROBLEM:

A nearly 100-year-old global market leader of horizontal drilling was experiencing frequent control cable failures on their top drive unit. The cable was being subjected to flexing, twisting, abrasion, and exposure to fluids, which was especially challenging because environmental conditions deemed this site a hazardous location due to the presence of flammable vapors and the potential for explosion.

### TPC SOLUTION:

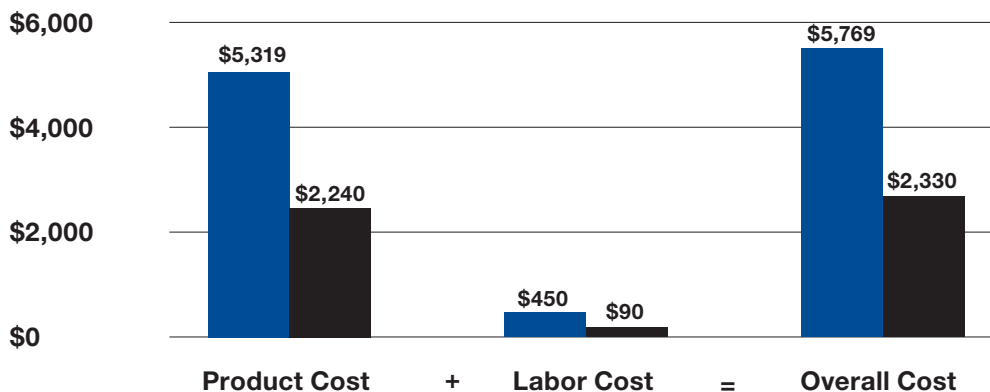
After carefully assessing the situation, a field specialist recommended a replacement of 185 feet of cable using our **Super-Trex® 16 AWG/25C Reduced Diameter Control Cable** – a great solution that is suitable for Class I, II, Div. 2 operations and has a FT-4 flame rating.

### THE RESULT:

When we checked back, 15 months later, our cable was still going strong. In a little over a year, a total of \$3,438 in material costs and 80 production hours were saved. Fewer cable repairs and replacements means fewer chances for accidents to occur.

### CURRENT PRODUCT VS. TPC PRODUCT

■ Current Product    ■ TPC Product



Total savings  
in material  
and labor =

\$3,438

&  
Increased  
Production  
by

80 HOURS

## Quick-Connect™ Quick-Lock Promotes Safety In Hazardous Locations



Our industrial Quick-Connect 16 AWG Mini line offers a plug-and-play solution that can be easily installed to give your electricians more time to tackle other mission-critical tasks. When a power interruption occurs, safety and productivity can be compromised, so our customers who are in hazardous locations take advantage of our Quick-Connect Quick-Lock to prevent the accidental power interruption of energized equipment. Our Quick-Lock kit includes a Quick-Lock device, cord set, wire rope tether and instructions — making it a winning combination suitable for UL Class I Division 2 applications.

## Tough Cable Glands For Reliable Sealing Action

As a preferred U.S. supplier of Hummel EXIOS UL-Listed Class I, Div. 1 and 2 cable glands, we serve hazardous locations by offering strain relief in applications where dust, high pressure wash down, or even submersion are present. Our rugged cable glands will work to keep the environment contained should an electrical failure occur, so that the impact is not widespread causing damage to personnel, machinery, or surrounding equipment. Our full cable gland offering includes:

- Aluminum, brass, nylon, and stainless options available with or without strain relief
- Heat- and temperature-resistant glands and EMI shielded glands to combat interference
- Suitable for armored or non-armored cables

## Ordering Information (Call for pricing & availability)

UL APPROVED HAZARDOUS LOCATION GLANDS					
			<b>UL 2225 / UL 514B / CSA 22.2</b> <b>CLASS I; DIV 1; GROUPS C, D, CLASS II; DIV 1; GROUPS E, F, G, CLASS II</b> <b>CLASS I; DIV 2; GROUPS C, D, CLASS II; DIV 2; GROUPS E, F, G, CLASS III</b> <b>CLASS I; ZONE 1; AEx d IIB</b>		
NPT			METRIC		
PART NO.	THREAD TYPE & SIZE (AG)	CABLE RANGE 1 (A1)	PART NO.	THREAD TYPE & SIZE (AG)	CABLE RANGE 1 (A1)
YU13NM-BR	1/2" NPT	.35 - .63" (9 - 16 mm)	YU20MK-B1	M20 x 1.5	.24 - .47" (6 - 12 mm)
YU13NL-BR	1/2" NPT	.49 - .81" (12.5 - 20.5 mm)	YU20MM-B1	M20 x 1.5	.35 - .63" (9 - 16 mm)
YU21NK-BR	3/4" NPT	.67 - 1.02" (16.9 - 26 mm)	YU20ML-B1	M20 x 1.5	.49 - .81" (12.5 - 20.5 mm)
YU29NK-BR	1" NPT	.87 - 1.30" (22 - 33 mm)	YU25MK-B1	M25 x 1.5	.49 - .81" (12.5 - 20.5 mm)
YU29LK-BR	1-1/4" NPT	1.10 - 1.61" (28 - 41 mm)	YU25MM-B1	M25 x 1.5	.67 - 1.02" (16.9 - 26 mm)
YU36NK-BR	1-1/2" NPT	1.10 - 1.61" (28 - 41 mm)	YU32MK-B1	M32 x 1.5	.87 - 1.30" (22 - 33 mm)
YU50NK-BR	2" NPT	1.42 - 2.07" (36 - 52.6 mm)	YU40MK-B1	M40 x 1.5	1.10 - 1.61" (28 - 41 mm)
YU52NK-BR	2-1/2" NPT	1.81 - 2.57" (46 - 65.3 mm)	YU50MK-B1	M50 x 1.5	1.42 - 2.07" (36 - 52.6 mm)
YU30NK-BR	3" NPT	2.24 - 3.07" (57 - 78 mm)	YU63MK-B1	M63 x 1.5	1.81 - 2.57" (46 - 65.3 mm)
-	-	-	YU75MK-B1	M75 x 1.5	2.24 - 3.07" (57 - 78 mm)



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EXPECT HIGH PERFORMANCE®

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  
WWW.TPCWIRE.COM

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