



CHEM-GARD™

Family of Cable for Extreme
Temperature & Chemicals



TPC WIRE & CABLE CORP.
EXPECT HIGH PERFORMANCE®

Chemical / Heat Resistant Cables: Unshielded

Choosing the right cable for high heat environments reduces unnecessary cable repair and replacements as well as downtime. When you need a tough cable that is able to withstand abrasion, high temperatures and corrosive chemicals, Chem-Gard™ is the #1 choice. Chem-Gard's proprietary fluoropolymer jacket and insulation can stand up to harsh chemicals, high heat and even extreme cold.

TPC offers an extensive line of unshielded cables designed for high performance, longer cable life, and lower overall cable costs. Chem-Gard cable is also designed for use in a variety of industries, including steel, utility, mining, automotive, food and beverage, government, oil and gas, transportation and wood, pulp and paper markets. We pride ourselves in providing the exact type of cable that our customers need to keep their workspace safe and their cables lasting their full life cycle. Chem-Gard cables are available in single and multi-conductor configurations. Unshielded cables are recommended for static applications. For dynamic flexing applications, our shielded cable is recommended.



Chem-Gard™ 200 Unshielded Multi-Conductor Cable

- UL Recognized, CSA
- RoHS Compliant
- VW-1 Flame Rating
- FT-1 Flame Rating
- Max Conductor Temperature 200°C
- Operating Temperature Range -60°C to 200°C



Chem-Gard™ 150 Unshielded Multi-Conductor Cable

- UL Recognized, CSA, 600 V
- RoHS Compliant
- VW-1 Flame Rating
- FT-1 Flame Rating
- Max Conductor Temperature 150°C
- Operating Temperature Range -60°C to 150°C



Chem-Gard™ 200 Unshielded Single Conductor Cable

- UL Recognized, CSA
- RoHS Compliant
- VW-1 Flame Rating
- FT-1 Flame Rating
- Max Conductor Temperature 200°C
- Operating Temperature Range -60°C to 200°C



Chem-Gard™ 150 Unshielded Single Conductor Cable

- UL Recognized, CSA, 600 V
- RoHS Compliant
- VW-1 Flame Rating
- FT-1 Flame Rating
- Max Conductor Temperature 150°C
- Operating Temperature Range -60°C to 150°C

Chemical / Heat Resistant Cables: Shielded

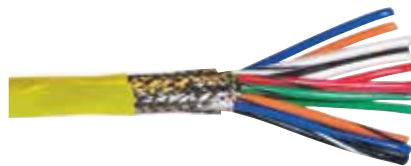
TPC's multi-conductor shielded cable is capable of withstanding exposure to chemicals, constant flexing and extreme temperatures. Chem-Gard™ eliminates the need for compounds or lubricants when pulling your multi conductor shielded cable through the conduit and the tough jacket will also withstand abrasion and cutting.

Designed for use in a variety of industries, including steel, utility, mining, automotive, food and beverage, government, oil and gas, transportation and wood, pulp and paper markets, our shielded cables are long-lasting and dependable. Each multi conductor shielded cable is capable of withstanding exposure to chemicals, constant flexing and extreme temperatures. Our shielded cables effectively reduce electrical noise, leaving the electrical signals unaffected and reducing electromagnetic radiation. The rest of your electrical equipment will be protected from interference and your cable insulation and workers will be effectively protected from electrical shock. Additionally, each shielded multi conductor cable is manufactured to last, offering excellent flex life. Following recommended installation guidelines, our shielded cables have been tested to over 2.5 million cycles in cable carrier testing without electrical failure.



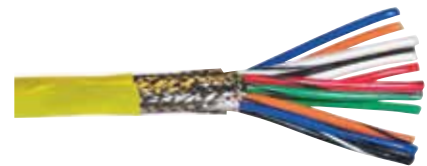
Chem-Gard™ 200 Encoder/Resolver Cable

- UL Recognized, CSA, 600 V
- FT-1 Flame Rating
- VW-1 Flame Rating
- RoHS Compliant
- Operating Temperature Range
-60°C to 200°C



Chem-Gard™ 200 Shielded Multi-Conductor Cable

- UL Recognized, CSA
- FT-1 Flame Rating
- VW-1 Flame Rating
- Continuous Temperatures up to 200°C



Chem-Gard™ 150 Shielded Multi-Conductor Cable

- UL Recognized, CSA, 600 V
- FT-1 Flame Rating
- VW-1 Flame Rating
- RoHS Compliant
- Operating Temperature Range
-60°C to 150°C

Bus Cables: Ethernet

Connecting network devices such as routers, modems, and adapters, Ethernet cables are the lifeblood of your data systems. Data constantly flows through these channels and your business cannot stay at full tilt without these cables being fully operational. Here at TPC we offer you high quality CAT6 Ethernet cables and CAT7 Ethernet cables designed to work hard and last long. We know our customers expect the best and we deliver with these Ethernet cables.

This rugged Industrial Ethernet CAT6 cable is built for performance in the harshest of environments. Chem-Gard's unique physical properties offer resistance to UV light, cutting, abrasion, oil & chemicals and extreme temperatures. TPC Wire & Cable's Chem-Gard™ CAT6 cable provides superior performance to meet or exceed CAT6 and Ethernet/IP requirements.



Chem-Gard™ 200°C CAT6 Industrial Ethernet Cable

- Operating Temperature Range -60°C to 200°C
- Finely Stranded Silver-Plated Copper
- TIA/EIA 568-B-2 CAT 6
- Color Coded to 586B
- 300 V

Chem-Gard™ Chemical Resistance Chart

CHEMICAL	FLUOROPOLYMER	ETFE	FEP
OXIDATION RESISTANCE	EXCELLENT	EXCELLENT	EXCELLENT
OIL	EXCELLENT	EXCELLENT	EXCELLENT
UV RAYS	EXCELLENT	EXCELLENT	EXCELLENT
WATER	EXCELLENT	EXCELLENT	EXCELLENT
ACID	EXCELLENT	EXCELLENT	EXCELLENT
ALKALI	EXCELLENT	EXCELLENT	EXCELLENT
GASOLINE/KEROSENE	EXCELLENT	EXCELLENT	EXCELLENT
BENZOL TOLUENE	EXCELLENT	EXCELLENT	EXCELLENT
DEGREASER SOLVENT	EXCELLENT	EXCELLENT	EXCELLENT
ALCOHOL	EXCELLENT	EXCELLENT	EXCELLENT

Chem-Gard Compliance

- Passes Boeing Test Method BSS 7239 for Toxic Gas, Flaming and Non-Flaming Mode.
- Passes Bombardier Specification SMP 800C Toxic Gas Generation, Flaming and Non-Flaming Mode.
- ASTM E 662 — Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials (NFPA Designation No. 258.)

Chem-Gard Color Codes

1 BLACK	7 WHITE / BLACK
2 WHITE	8 RED / BLACK
3 RED	9 GREEN / BLACK
4 GREEN	10 ORANGE / BLACK
5 ORANGE	11 BLUE / BLACK
6 BLUE	12 BLACK / WHITE



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