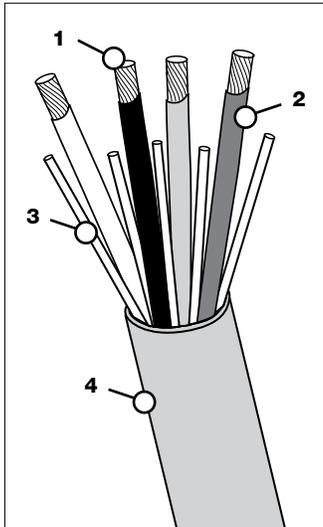


# Chem-Gard® 200 Cable

- 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 Cable has excellent resistance to chemicals, abrasion and high heat. This flexible cable has been rated at conductor temperatures as high as 200°C (392°F) and as low as -60°C (-76°F). Chem-Gard cable is roughly forty percent smaller in diameter than SOOW cable allowing it to be used in areas with restricted space and in conduit. Chem-Gard 200 is available in many configurations of shielded and unshielded options as well as single or multi-conductors.



## FEATURES & BENEFITS

**1. FINELY STRANDED NICKEL-PLATED COPPER CONDUCTORS** — For improved flexibility in dynamic applications and protection from corrosion and oxidation in chemical and high temperature environments.

**2. FLUOROPOLYMER CONDUCTOR INSULATION** — Extremely chemical resistant and mechanically durable for additional protection against cutting, abrasion and chemicals. Conductors slide easily within jacket for maximum flex life.

**3. HIGH TEMPERATURE FLUOROPOLYMER FILLERS** — Will not wick up contaminants into cable. Allows conductors to move freely within jacket for improved flexibility in dynamic applications.

**4. FLUOROPOLYMER JACKET** — Ideal for harsh chemical environments. Excellent defense against cutting and abrasion. Resistant to oils, acids, solvents and chemicals. Designed for continuous temperature environments up to 200°C (392°F).

**5. OPTIONAL ULTRA-SHIELD CONSTRUCTION** — 90% coverage heavy-duty nickel-plated copper braid shielding provides protection from EM and RF interference in addition to superior mechanical strength in abusive environments.

**6. SMALL DIAMETER** — Fluoropolymer offers excellent electrical properties and the product is much smaller than most cables of the same AWG size and conductor count. This allows the product to be used in areas with restricted space.

### ADD CHEM-GARD® QUICK-CONNECTS™ TO COMPLETE YOUR ORDER!

Find out more at [www.tpcwire.com](http://www.tpcwire.com) or call 800-521-7935.



## APPLICATIONS

- Conveyors
- Motor Operated Valves
- Kiln Fans
- Pumps
- Emergency Isolation Valves
- Furnaces

### CONDUCTOR COLOR CODE

NO.	COLOR	NO.	COLOR
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

## ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

### UNSHIELDED MULTI-CONDUCTOR (Additional Configurations Available)

PART NO.	CONFIGURATION (AWG/COND)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY <sup>1</sup>	WT. (LBS) PER 1000'
42804	18/4	41/34	0.200	19	42
42805	18/5	41/34	0.230	15	55
42812	18/12	41/34	0.305	9	105
42604	16/4	65/34	0.230	25	59
42612	16/12	65/34	0.370	12	152
42404	14/4	105/34	0.270	36	86.5
42412	14/12	105/34	0.425	16	210
42204	12/4	65/30	0.345	45	133.5

NOTE: (1) Ampacities are based on not more than three current carrying conductors, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.

(2) Ampacities are based on a single conductor in free air, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.

Portable Cords  
 Power Cables (600 Volt to 35 kV)  
 Welding Cables  
 VFD/Servo Motor Cables  
 Reeling Cables  
 Control Cables/Instrumentation  
 Bus Cables  
 Flat Festoon Cables  
 Retractable Coil Cables  
 Chemical & Temp. Resistant Cables  
 High Temperature Cables  
 Igniter Cables  
 Thermocouple Extension Wires  
 Engineered Custom Cables

**UNSHIELDED SINGLE CONDUCTOR** *(Additional Configurations Available) — Continued On Next Page*

PART NO.	CONFIGURATION (AWG/COND)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY <sup>2</sup>	WT. (LBS) PER 1000'
42901	1	817/30	0.437	344	340
42902	2	665/30	0.401	293	277
42904	4	133/25	0.305	220	170
42906	6 BLACK	133/27	0.252	165	111
42906YLW	6 YELLOW	133/27	0.252	165	111
42906RED	6 RED	133/27	0.252	165	111
42906WHT	6 WHITE	133/27	0.252	165	111
42906ORG	6 ORANGE	133/27	0.252	165	111
42906GRN	6 GREEN	133/27	0.252	165	111
42906BRN	6 BROWN	133/27	0.252	165	111
42906BLU	6 BLUE	133/27	0.252	165	111
42908	8 BLACK	133/29	0.211	124	73
42908YLW	8 YELLOW	133/29	0.211	124	73
42908RED	8 RED	133/29	0.211	124	73
42908ORG	8 ORANGE	133/29	0.211	124	73
42908GRN	8 GREEN	133/29	0.211	124	73
42908BRN	8 BROWN	133/29	0.211	124	73
42908BLU	8 BLUE	133/29	0.211	124	73
42881	18 BLACK	41/34	0.068	24	6.8
42882	18 WHITE	41/34	0.068	24	6.8
42883	18 RED	41/34	0.068	24	6.8
42884	18 GREEN	41/34	0.068	20	6.8
42885	18 BROWN	41/34	0.068	20	6.8
42886	18 ORANGE	41/34	0.068	20	6.8
42887	18 YELLOW	41/34	0.068	20	6.8
42888	18 BLUE	41/34	0.068	20	6.8
42661	16 BLACK	65/34	0.078	37	10.4
42662	16 WHITE	65/34	0.078	37	10.4
42663	16 RED	65/34	0.078	37	10.4
42664	16 GREEN	65/34	0.078	37	10.4
42665	16 BROWN	65/34	0.078	37	10.4
42666	16 ORANGE	65/34	0.078	37	10.4
42667	16 YELLOW	65/34	0.078	37	10.4
42668	16 BLUE	65/34	0.078	37	10.4
42441	14 BLACK	105/34	0.094	54	15.5
42442	14 WHITE	105/34	0.094	54	15.5
42443	14 RED	105/34	0.094	54	15.5
42444	14 GREEN	105/34	0.094	54	15.5
42445	14 BROWN	105/34	0.094	54	15.5
42446	14 ORANGE	105/34	0.094	54	15.5
42447	14 YELLOW	105/34	0.094	54	15.5
42448	14 BLUE	105/34	0.094	54	15.5
42221	12 BLACK	65/30	0.124	68	24.6
42222	12 WHITE	65/30	0.124	68	24.6
42223	12 RED	65/30	0.124	68	24.6
42224	12 GREEN	65/30	0.124	68	24.6
42225	12 BROWN	65/30	0.124	68	24.6

NOTE: (1) Ampacities are based on not more than three current carrying conductors, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.  
 (2) Ampacities are based on a single conductor in free air, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.

# Chem-Gard® 200 Cable (Continued)

## UNSHIELDED SINGLE CONDUCTOR (Additional Configurations Available) — Continued From Previous Page

PART NO.	CONFIGURATION (AWG/COND)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY <sup>2</sup>	WT. (LBS) PER 1000'
42226	12 ORANGE	65/30	0.124	68	24.6
42227	12 YELLOW	65/30	0.124	68	24.6
42228	12 BLUE	65/30	0.124	68	24.6
42229	12 PURPLE	65/30	0.124	68	24.6
42230	12 PINK	65/30	0.124	68	24.6
42231	12 GRAY	65/30	0.124	68	24.6
42301	10 BLACK	105/30	0.134	90	38.5
42302	10 WHITE	105/30	0.134	90	38.5
42303	10 RED	105/30	0.134	90	38.5
42304	10 GREEN	105/30	0.134	90	38.5
42305	10 BROWN	105/30	0.134	90	38.5
42306	10 ORANGE	105/30	0.134	90	38.5
42307	10 YELLOW	105/30	0.134	90	38.5
42308	10 BLUE	105/30	0.134	90	38.5

NOTE: (1) Ampacities are based on not more than three current carrying conductors, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.  
 (2) Ampacities are based on a single conductor in free air, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.

## SHIELDED MULTI-CONDUCTOR (Additional Configurations Available)

PART NO.	CONFIGURATION (AWG/COND.)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY <sup>1</sup>	WT. (LBS) PER 1000'
42066	18/3	41/34	0.208	19	46
42060	18/4	41/34	0.220	19	56
42064	18/12	41/34	0.345	9	123
420612	16/2	65/30	0.215	32	35
420613	16/3	65/30	0.232	32	46
42061	16/4	65/34	0.245	25	77
42065	16/12	65/34	0.385	12	176
42062	14/4	105/34	0.290	36	104
42063	12/4	65/30	0.370	45	154

NOTE: (1) Ampacities are based on not more than three current carrying conductors, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.

## CHEM-GARD™ CHEMICAL RESISTANCE (CHART 1)

CHEMICAL	FLOUROPOLYMER	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