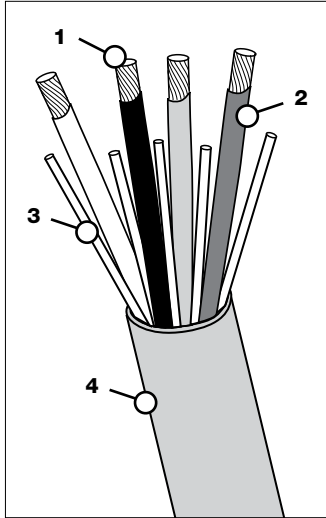


# Chem-Gard® 150 Cable

- UL Recognized
- CSA
- 600 V
- FT-1 Flame Rating
- VW-1 Flame Rating
- RoHS Compliant
- Max Conductor Temp 150°C
- Cold Temp Rating -60°C

Chem-Gard® 150 Cable has excellent resistance to chemicals, abrasion and high heat. This flexible cable has been rated at conductor temperatures as high as 150°C (302°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® 150 is available in many configurations of shielded and unshielded options as well as single or multi-conductors.



## FEATURES & BENEFITS

**1. FINELY STRANDED TINNED-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 150°C (302°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 that require a tighter bend radius.

**CONDUCTOR COLOR CODE:**  
Please refer to the chart on page 99.

## APPLICATIONS

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

## 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'
42126	16/4	65/34	0.225	21	59
42130	16/12	65/34	0.365	11	152
42124	14/4	105/34	0.270	34	86
42128	12/4	65/30	0.335	43	133

### 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'
42161	18 BLACK	41/34	0.066	20	6.8
42162	18 WHITE	41/34	0.066	20	6.8
42163	18 RED	41/34	0.066	24	6.8
42164	18 GREEN	41/34	0.066	24	6.8

NOTE: (1) Ampacities are based on not more than three current carrying conductors, 40°C (104°F) ambient temperature, 150°C (302°F) conductor temperature.  
(2) Ampacities are based on a single conductor in free air, 40°C (104°F) ambient temperature, 150°C (302°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 <i>(Additional Configurations Available)</i> — Continued From Previous Page						
PART NO.	CONFIGURATION (AWG/COND)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY <sup>2</sup>	WT. (LBS)	PER 1000'
42165	18 BROWN	41/34	0.066	24		6.8
42166	18 ORANGE	41/34	0.066	24		6.8
42167	18 YELLOW	41/34	0.066	24		6.8
42168	18 BLUE	41/34	0.066	24		6.8
42152	16 WHITE	65/34	0.076	32		10.4
42153	16 RED	65/34	0.076	32		10.4
42154	16 GREEN	65/34	0.076	32		10.4
42155	16 BROWN	65/34	0.076	32		10.4
42156	16 ORANGE	65/34	0.076	32		10.4
42157	16 YELLOW	65/34	0.076	32		10.4
42141	14 BLACK	105/34	0.092	46		15.5
42142	14 WHITE	105/34	0.092	46		15.5
42143	14 RED	105/34	0.092	46		15.5
42145	14 BROWN	105/34	0.092	46		15.5
42146	14 ORANGE	105/34	0.092	46		15.5
42147	14 YELLOW	105/34	0.092	46		15.5
42148	14 BLUE	105/34	0.092	46		15.5
42131	12 BLACK	65/30	0.124	60		24.6
42132	12 WHITE	65/30	0.124	60		24.6
42133	12 RED	65/30	0.124	60		24.6
42134	12 GREEN	65/30	0.124	60		24.6
42135	12 BROWN	65/30	0.124	60		24.6
42136	12 ORANGE	65/30	0.124	60		24.6
42137	12 YELLOW	65/30	0.124	60		24.6
42138	12 BLUE	65/30	0.124	60		24.6
42102	10 WHITE	105/30	0.142	80		38.5
42103	10 RED	105/30	0.142	80		38.5
42106	10 ORANGE	105/30	0.142	80		38.5
42108	10 BLUE	105/30	0.142	80		38.5

SHIELDED MULTI-CONDUCTOR <i>(Additional Configurations Available)</i>						
PART NO.	CONFIGURATION (AWG/COND.)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY <sup>1</sup>	WT. (LBS)	PER 1000'
42114	18/3	65/36	0.205	16		46
42115	18/4	41/34	0.220	16		56
42116	16/4	65/34	0.245	21		77
42120	16/12	65/34	0.385	11		176
42118	12/4	65/30	0.370	43		154

NOTE: (1) Ampacities are based on not more than three current carrying conductors, 40°C (104°F) ambient temperature, 150°C (302°F) conductor temperature.

(2) Ampacities are based on a single conductor in free air, 40°C (104°F) ambient temperature, 150°C (302°F) conductor temperature.

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Retractable Cables  
Chemical & Temp. Resistant Cables  
High Temperature Cables  
Igniter Cables  
Thermocouple Extension Wires  
Engineered Custom Cables