

Control/Instrumentation

Chem-Gard® 200 Single Conductor Cable

Chem-Gard® 200 Single Conductor Cable is a high-temperature and chemical-resistant cable for control and instrumentation applications that can withstand a maximum conductor temperature of 200°C / 392°F. This control and instrumentation cable features a fluoropolymer jacket that provides excellent chemical, abrasion and high heat resistance. This cable is also available in multiple AWG sizes and jackets colors for color code identification.



Ratings



600V

Max Conductor Temperature 200°C

Cold Temperature Rating -60°C

AWM Styles 10086, 11331, 1330

CSA Standard C22.2 No. 210-15 AWG Class I/II Group A/B FT1

FT1 Flame Rating

WV-1 Flame Rating

Performance Characteristics

✓ Bend Radius (Static): 12x Cable O.D. ✓ Bend Radius (Dynamic): 15x Cable O.D.

Engineered to Resist



Flexing



Abrasion



High Temperature



Cold Temperature



Chemicals

Features & Benefits

Finely Stranded Nickel-Plated Copper Conductors

Fine stranding improves flex-life and reduces conductor fatigue and breakage. Nickel-plated conductors allow for high heat resistance.

Specially Compounded Fluoropolymer Jacket

Ideal for environments where harsh chemicals are present. Superior resistance to oils, acids, solvents, and chemicals. Excellent defense against cutting and abrasion.

Ordering Information

For complete product ordering information, please scan the QR Code or contact your ATPC sales representative

Part No.	Configuration AWG/Cond	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
42881	18 AWG BLACK	27	0.068	6.8	
42882	18 AWG WHITE	27	0.068	6.8	
42883	18 AWG RED	27	0.068	6.8	
42884	18 AWG GREEN	27	0.068	6.8	
42885	18 AWG BROWN	27	0.068	6.8	
42886	18 AWG ORANGE	27	0.068	6.8	
42887	18 AWG YELLOW	27	0.068	6.8	
42888	18 AWG BLUE	27	0.068	6.8	
42661	16 AWG BLACK	37	0.078	10.4	
42662	16 AWG WHITE	37	0.078	10.4	
42663	16 AWG RED	37	0.078	10.4	
42664	16 AWG GREEN	37	0.078	10.4	
42665	16 AWG BROWN	37	0.078	10.4	
42666	16 AWG ORANGE	37	0.078	10.4	
42667	16 AWG YELLOW	37	0.078	10.4	
42668	16 AWG BLUE	37	0.078	10.4	
42441	14 AWG BLACK	51	0.094	15.5	
42442	14 AWG WHITE	51	0.094	15.5	
42443	14 AWG RED	51	0.094	15.5	
42444	14 AWG GREEN	51	0.094	15.5	
42445	14 AWG BROWN	51	0.094	15.5	
42446	14 AWG ORANGE	51	0.094	15.5	
42447	14 AWG YELLOW	51	0.094	15.5	
42448	14 AWG BLUE	51	0.094	15.5	
42221	12 AWG BLACK	66	0.124	24.6	
42222	12 AWG WHITE	66	0.124	24.6	
42223	12 AWG RED	66	0.124	24.6	



Chem-Gard® 200 Single Conductor Cable - Continued

Part No.	Configuration AWG/Cond	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
42224	12 AWG GREEN	66	0.124	24.6	
42225	12 AWG BROWN	66	0.124	24.6	
42226	12 AWG ORANGE	66	0.124	24.6	
42227	12 AWG YELLOW	66	0.124	24.6	
42228	12 AWG BLUE	66	0.124	24.6	
42301	10 AWG BLACK	89	0.142	38.5	
42302	10 AWG WHITE	89	0.142	38.5	
42303	10 AWG RED	89	0.142	38.5	
42304	10 AWG GREEN	89	0.142	38.5	
42305	10 AWG BROWN	89	0.142	38.5	
42306	10 AWG ORANGE	89	0.142	38.5	
42307	10 AWG YELLOW	89	0.142	38.5	
42308	10 AWG BLUE	89	0.142	38.5	
42908	8 AWG BLACK	125	0.211	73	55001
42908YLW	8 AWG YELLOW	125	0.211	73	55001
42908RED	8 AWG RED	125	0.211	73	55001
42908ORG	8 AWG ORANGE	125	0.211	73	55001
42908GRN	8 AWG GREEN	125	0.211	73	55001
42908BRN	8 AWG BROWN	125	0.211	73	55001
42908BLU	8 AWG BLUE	125	0.211	73	55001
42906	6 AWG BLACK	167	0.252	111	55001
42906YLW	6 AWG YELLOW	167	0.252	111	55001
42906RED	6 AWG RED	167	0.252	111	55001
42906WHT	6 AWG WHITE	167	0.252	111	55001
42906ORG	6 AWG ORANGE	167	0.252	111	55001
42906GRN	6 AWG GREEN	167	0.252	111	55001
42906BRN	6 AWG BROWN	167	0.252	111	55001
42906BLU	6 AWG BLUE	167	0.252	111	55001
42904	4 AWG BLACK	226	0.305	170	55003
42902	2 AWG BLACK	305	0.401	277	55004
42901	1 AWG BLACK	362	0.437	340	55004



Notes

*Ampacities are based on an ambient temperature of 40°C and conductor temperature of 200°C per the IEEE Standard 835 Power Cable Ampacity Table.

**Grip-Seals® Aluminum straight cable gland part number listed. Sizing based on nominal cable O.D. Due to process tolerances, a smaller/larger gland size may be required. Confirm NPT Fitting Size matches application.