

Control/Instrumentation

Chem-Gard®  
200 Multi-Conductor Cable

Chem-Gard® 200 Multi-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. 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.

Ratings



600V

Max Conductor Temperature 200°C

Cold Temperature Rating -60°C

AWM Style 2750

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

FT1 Flame Rating

VW-1 Flame Rating

Performance Characteristics

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

Engineered to Resist



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 Insulation

High dielectric, tensile, and mechanical properties. Offers superior resistance to lubricating oils, coolants, cutting oils, acids, and most chemicals.

High Temperature  
Fluoropolymer Fillers

Will not wick up contaminants into cable. Allow conductors to move freely within the jacket for improved flex-life in dynamic applications.

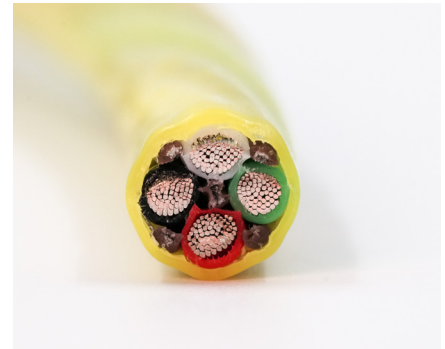
Specially Compounded  
Fluoropolymer Jacket

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 TPC sales representative

Part No.	Configuration AWG/Cond	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
42804	18/4	21	0.200	42	55001
42805	18/5	17	0.230	55	55001
42808	18/8	15	0.262	75	55003
42812	18/12	10	0.305	105	55003
42604	16/4	29	0.230	59	55001
42608	16/8	20	0.325	112	55002
42612	16/12	14	0.370	152	55002
42616	16/16	14	0.435	210	55004
42404	14/4	40	0.270	87	55003
42408	14/8	28	0.376	168	55004
42412	14/12	20	0.425	210	55004
42204	12/4	55	0.345	134	55002
42208	12/8	39	0.465	240	55004
421004	10/4	74	0.400	182	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.