

## Control/Instrumentation

# Chem-Gard® 200 Shielded Multi-Conductor Cable

Chem-Gard® 200 Shielded 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

WV-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 &amp; 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.

### Heavy-Duty 90% Coverage Nickel-Plated Copper Braid Shield

Nickel-plated copper braid shield with drain wire. Provides protection against EM and RF interference and a low impedance path to ground. Protects equipment and motor damage from electrical noise and "stray voltage".

### 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**
42066	18/3	21	0.208	55	55001
42060	18/4	21	0.220	63	55001
420608	18/8	15	0.298	112	55003
42064	18/12	10	0.345	123	55002
420612	16/2	29	0.215	35	55001
420613	16/3	29	0.232	46	55001
42061	16/4	29	0.245	77	55001
420618	16/8	20	0.352	117	55002
42065	16/12	14	0.385	176	55004
42062	14/4	40	0.290	104	55003
42070	14/8	28	0.400	193	55004
42063	12/4	55	0.370	154	55002
42072	12/8	39	0.485	270	55004
42075	10/4	74	0.425	206	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.