

Control/Instrumentation

Chem-Gard® 250 Multi-Conductor Cable

Chem-Gard® 250 Multi-Conductor Cable is a high temperature and chemical resistant cable for control and instrumentation applications that can withstand a maximum conductor temperature of 250°C / 482°F. This control and instrumentation cable features a copolymer PFA jacket that provides excellent chemical, abrasion and high heat resistance. Chem-Gard® is approximately 40% smaller in diameter than typical SOOW cable, allowing it to be used in areas with restricted space and in conduit.



Ratings



600V

Max Conductor Temperature 250°C

Cold Temperature Rating -40°C

AWM Style 21589

CSA AWM Class I/II Group A/B

FT1 Flame Rating

VW-1 Flame Rating

Performance Characteristics

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

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 PFA Insulation

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

High Temperature Fillers

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

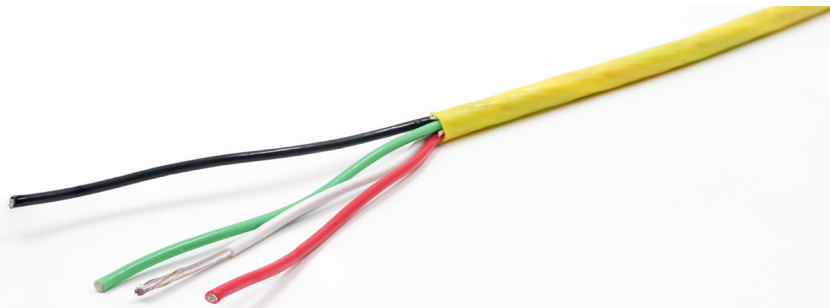
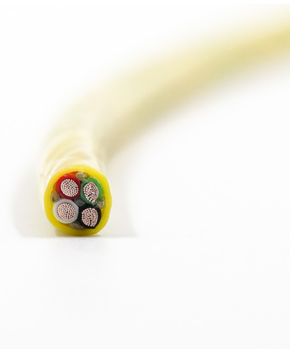
Specially Compounded PFA Jacket

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**
47004	18/4	23	0.200	40	55001
47010	16/4	31	0.230	43	55001
47013	16/12	15	0.377	150	55002
47016	14/4	43	0.270	84	55003
47018	14/12	21	0.465	210	55004
47020	12/4	60	0.345	119	55002
47021	12/8	42	0.445	240	55004
47024	10/4	80	0.440	180	55004



Notes

*Ampacities are based on ambient temperature of 40 degrees C and conductor temperature of 250 degrees C with one ground per 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.