

Control/Instrumentation

Hy-Trex® CI500 Control & Instrumentation Cables

Hy-Trex® CI500 Control and Instrumentation Cables are highly flexible control and instrumentation cables designed to provide long-life performance in static and flexing applications. Ideal for original equipment manufacturers, automation integrators, instrumentation and robotics. Available in shielded and unshielded configurations.



Ratings 600V 1000V WTTTC Max Conductor Temperature 90°C Dry / 75°C Wet Type TC-ER Type WTTTC Type MTW

AWM Style 20886 CIC-TC per CSA 22.2 No. 239 FT4 Flame Rating Suitable for Class I, II, III, Division 2***

Performance Characteristics ✓ Bend Radius (Static): 6x Cable O.D. ✓ Bend Radius (Dynamic): 8x Cable O.D. ✓ Oil Resistant I ✓ Cold Bend: -25°C

✓ Cold Impact: -25°C

Engineered to Resist Flexing Abrasion Impact Cold Temperature

Features & Benefits

<p>Finely Stranded Copper Conductors</p> <p>Fine stranding improves flex-life and reduces conductor fatigue and breakage.</p>	<p>Specially Compounded TPE Insulation</p> <p>Resists effects of lubricating oils, coolants, cutting oils, acids, and most chemicals.</p>	<p>Fabric Separator</p> <p>Allows for easy stripping of the cable jacket.</p>	<p>Specially Compounded Gray TPE Jacket</p> <p>Offers superior first-line defense against tearing, abrasion, impact, oil, ozone and most chemicals.</p>
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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**
CI500-018-3C-GY-S	18/3	14	0.327	91	55002/55003
CI500-018-4C-GY-S	18/4	14	0.350	106	55002/55003
CI500-018-5C-GY-S	18/5	11	0.378	121	55002/55004
CI500-018-7C-GY-S	18/7	9	0.406	144	55002/55004
CI500-018-9C-GY-S	18/9	9	0.472	188	55004
CI500-018-12C-GY-S	18/12	7	0.547	245	55005/55006
CI500-018-18C-GY-S	18/18	7	0.626	327	55006
CI500-018-25C-GY-S	18/25	6	0.736	445	55007/55008
CI500-016-3C-GY-S	16/3	18	0.354	107	55002/55003
CI500-016-4C-GY-S	16/4	18	0.382	126	55002/55004
CI500-016-5C-GY-S	16/5	14	0.409	145	55002/55004
CI500-016-7C-GY-S	16/7	12	0.441	174	55004
CI500-016-9C-GY-S	16/9	12	0.547	245	55005/55006
CI500-016-12C-GY-S	16/12	9	0.598	298	55005/55006
CI500-016-18C-GY-S	16/18	9	0.685	403	55007
CI500-016-25C-GY-S	16/25	8	0.811	550	55008
CI500-014-3C-GY-S	14/3	25	0.386	135	55002/55004
CI500-014-4C-GY-S	14/4	25	0.417	159	55002/55004
CI500-014-5C-GY-S	14/5	20	0.453	185	55004
CI500-014-7C-GY-S	14/7	17	0.488	226	55004
CI500-014-9C-GY-S	14/9	17	0.606	318	55005/55006
CI500-014-12C-GY-S	14/12	12	0.661	387	55006/55007
CI500-014-18C-GY-S	14/18	12	0.764	534	55007/55008
CI500-014-25C-GY-S	14/25	11	0.945	770	55009/55010
CI500-012-3C-GY-S	12/3	30	0.433	179	55004
CI500-012-4C-GY-S	12/4	30	0.472	214	55004
CI500-012-5C-GY-S	12/5	24	0.512	250	55004/55006
CI500-012-7C-GY-S	12/7	21	0.591	328	55004/55006
CI500-012-9C-GY-S	12/9	21	0.693	436	55007
CI500-010-3C-GY-S	10/3	40	0.508	248	55004/55006
CI500-010-4C-GY-S	10/4	40	0.583	317	55004/55006



Ordering information is continued on the next page.

Hy-Trex® CI500 Control & Instrumentation Cables - Continued

Part No.	Configuration AWG/Cond	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
CI500-010-5C-GY-S	10/5	32	0.634	375	55006/55007
CI500-010-7C-GY-S	10/7	28	0.697	465	55007
CI500-010-9C-GY-S	10/9	28	0.866	653	55008/55009
CI500-018-3C-GY-U	18/3	14	0.311	58	55001/55003
CI500-018-4C-GY-U	18/4	14	0.331	70	55001/55003
CI500-018-5C-GY-U	18/5	11	0.358	83	55003/55004
CI500-018-7C-GY-U	18/7	9	0.386	103	55002/55003 /55004
CI500-018-9C-GY-U	18/9	9	0.449	134	55004
CI500-018-12C-GY-U	18/12	7	0.500	168	55004/55005
CI500-018-18C-GY-U	18/18	7	0.618	257	55005/55006
CI500-018-25C-GY-U	18/25	6	0.720	345	55007
CI500-016-3C-GY-U	16/3	18	0.339	72	55003
CI500-016-4C-GY-U	16/4	18	0.365	87	55002
CI500-016-5C-GY-U	16/5	14	0.386	103	55002
CI500-016-7C-GY-U	16/7	12	0.425	128	55004
CI500-016-9C-GY-U	16/9	12	0.496	165	55004/55005 /55006
CI500-016-12C-GY-U	16/12	9	0.579	227	55006
CI500-016-18C-GY-U	16/18	9	0.661	317	55006/55007
CI500-016-25C-GY-U	16/25	8	0.791	434	55008
CI500-014-3C-GY-U	14/3	25	0.384	94	55002
CI500-014-4C-GY-U	14/4	25	0.394	116	55002
CI500-014-5C-GY-U	14/5	20	0.437	137	55004
CI500-014-7C-GY-U	14/7	17	0.476	176	55004/55005
CI500-014-9C-GY-U	14/9	17	0.591	247	55006
CI500-014-12C-GY-U	14/12	12	0.646	306	55006/55007
CI500-014-18C-GY-U	14/18	12	0.740	434	55007
CI500-014-25C-GY-U	14/25	11	0.929	633	55009/55010
CI500-012-3C-GY-U	12/3	30	0.417	127	55004
CI500-012-4C-GY-U	12/4	30	0.452	159	55004
CI500-012-5C-GY-U	12/5	24	0.500	194	55004/55005 /55006
CI500-012-7C-GY-U	12/7	21	0.575	266	55006
CI500-012-9C-GY-U	12/9	21	0.677	349	55007/55008
CI500-010-3C-GY-U	10/3	40	0.492	187	55004/55005 /55006
CI500-010-4C-GY-U	10/4	40	0.576	255	55006
CI500-010-5C-GY-U	10/5	32	0.619	304	55006
CI500-010-7C-GY-U	10/7	28	0.681	398	55007/55008
CI500-010-9C-GY-U	10/9	28	0.807	524	55008/55009



Notes

*Based on an ambient temperature of 30°C and conductor temperature of 90°C per NEC Table 310.16 & 310.15(C)(1).

**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.

***When installed in accordance with NEC guidelines sections, 501.140, 502.140, 503.140.