

Control/Instrumentation

# Hy-Trex® Control & Instrumentation Cables

Hy-Trex® 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**

**Finely Stranded Copper Conductors**

Fine stranding improves flex-life and reduces conductor fatigue and breakage.

**Specially Compounded TPE Insulation**

Resists effects of lubricating oils, coolants, cutting oils, acids, and most chemicals.

**Fabric Separator**

Allows for easy stripping of the cable jacket.

**Specially Compounded Gray TPE Jacket**

Offers superior first-line defense against tearing, abrasion, impact, oil, ozone and most chemicals.

**Ordering Information** For complete product ordering information, please scan the QR Code or contact your TPC sales representative

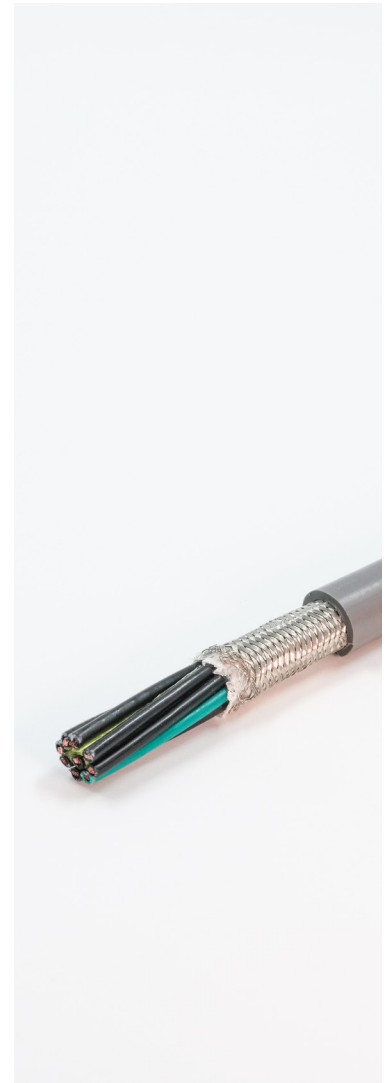
Part No.	Configuration AWG/Cond	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
CI500-018-3C-GY-S	18/3	14	0.327	91	55002/55003
CI500-018-4C-GY-S	18/4	14	0.350	106	55002/55003
CI500-018-5C-GY-S	18/5	11	0.378	121	55002/55004
CI500-018-7C-GY-S	18/7	9	0.406	144	55002/55004
CI500-018-9C-GY-S	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® Control &amp; 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.