

## CSA Instrumentation & Thermocouple Tray Cable

300V TC/CIC

Paired and Triad Constructions

### Cable Specifications

- CSA C22.2 #239 Control and Instrumentation
- CSA C22.2 #230 Type TC
- CSA FT4 70,000 BTU Flame Test
- PVC Insulation 90°C Dry & 75°C Wet
- XLPE Insulation Optional 90°C Dry and Wet
- -40°C Cold Bend, -25°C Cold Impact
- -25°C Installation temp
- Per CEC Part 1, Suitable for use in hazardous locations:  
Class 1 – Zone 2  
Class 2 – Division 2
- Sun Res/UV resistant
- Direct Burial

### To Create a Part Number

Add suffixes for Conductor, Insulation and Jacket Type and Shielding as shown below:

**A** = Bare Copper Conductor or Thermocouple alloy, PVC insulation, PVC Jacket

**B** = Tinned Copper Conductor, PVC Insulation, PVC Jacket

**C** = Bare Copper Conductor or Thermocouple alloy, XLPE Insulation, PVC Jacket

**D** = Tinned Copper Conductor, XLPE Insulation, PVC Jacket

**1** = Overall Foil Shield + Drain Wire

**2** = Individual and Overall Foil Shield + Drain Wire

### Sample Part Number:

**22001B2** = 300V, 2-Pair 20 AWG Tinned Copper Conductor cable with PVC Insulation, PVC Jacket, with Individual and Overall Foil Shields plus Drain Wire

### Thermocouple Color Codes

ANSI Symbol	Jacket Color	Insulation Color Code	
		Positive (+)	Negative (-)
EX	Purple	Purple	Red
JX	Black	White	Red
KX	Yellow	Yellow	Red
TX	Blue	Blue	Red

### Copper Color Codes

Pairs/Triads	Color Combination
Pairs	Black & White
Triads	Black, White & Red

No. of Pairs	Part Numbers				
	7 Strand Copper	Solid EX Chromel/Constantan	Solid JX Iron/Constantan	Solid KX Chromel/Alumel	Solid TX Copper/Constantan
<b>20 AWG</b>					
1	22000	21100	21114	21128	21142
2	22001	21101	21115	21129	21143
4	22002	21102	21116	21130	21144
6	22003	21103	21117	21131	21145
8	22004	21104	21118	21132	21146
10	22005	21105	21119	21133	21147
12	22006	21106	21120	21134	21148
16	22007	21107	21121	21135	21149
20	22008	21108	21122	21136	21150
24	22009	21109	21123	21137	21151
30	22010	21110	21124	21138	21152
36	22011	21111	21125	21139	21153
40	22012	21112	21126	21140	21154
50	22013	21113	21127	21141	21155
<b>18 AWG</b>					
1	22027	21156	21170	21184	21198
2	22028	21157	21171	21185	21199
4	22029	21158	21172	21186	21200
6	22030	21159	21173	21187	21201
8	22031	21160	21174	21188	21202
10	22032	21161	21175	21189	21203
12	22033	21162	21176	21190	21204
16	22034	21163	21177	21191	21205
20	22035	21164	21178	21192	21206
24	22036	21165	21179	21193	21207
30	22037	21166	21180	21194	21208
36	22038	21167	21181	21195	21209
40	22039	21168	21182	21196	21210
50	22040	21169	21183	21197	21211
<b>16 AWG</b>					
1	22054	21212	21226	21240	21254
2	22055	21213	21227	21241	21255
4	22056	21214	21228	21242	21256
6	22057	21215	21229	21243	21257
8	22058	21216	21230	21244	21258
10	22059	21217	21231	21245	21259
12	22060	21218	21232	21246	21260
16	22061	21219	21233	21247	21261
20	22062	21220	21234	21248	21262
24	22063	21221	21235	21249	21263
30	22064	21222	21236	21250	21264
36	22065	21223	21237	21251	21265
40	22066	21224	21238	21252	21266
50	22067	21225	21239	21253	21267

### Triad Constructions, Copper Conductor

No. of Triads	Part Numbers		
	20 AWG (7 Strand)	18 AWG (7 Strand)	16 AWG (7 Strand)
1	22014	22041	22068
2	22015	22042	22069
4	22016	22043	22070
6	22017	22044	22071
8	22018	22045	22072
10	22019	22046	22073
12	22020	22047	22074
16	22021	22048	22075
20	22022	22049	22076
24	22023	22050	22077
30	22024	22051	22078
36	22025	22052	22079

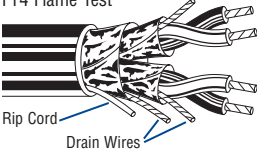
## CSA Instrumentation Cable

### 300V CIC

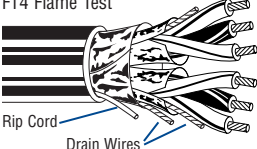
Belden offers a complete line of high performance and high quality CSA certified instrumentation cables (300V/600V and CIC/ACIC). These cables are designed to minimize noise and signal interference to deliver clean signals in harsh petrochemical, pulp and paper and process industry environments, as well as for use in general manufacturing operations.

Contact Belden Customer Service for other options:

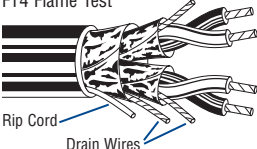
- 150V
- XLPE insulation (add D suffix to part number)
- Thermocouple alloy conductors
- Overall foil shield only
- Other pair and triad counts

Description	Part Number	No. of Pairs or Triads	Cable Weight		Jacket Thickness		Nominal OD	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm
<b>20 AWG Pairs Stranded (7x28) TC Conductors • Individual Beldfoil® + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)</b>								
<b>PVC Insulation • Black PVC Jacket (Color Code: Black and White with Numbers)</b>								
CSA C22.2#239, Type CIC	22671*	1	71	106	.045	1.14	.260	6.60
CSA C22.2 #0.3 Clause 4.31 Low Acid Gas FT4 Flame Test	22638	2	143	213	.045	1.14	.400	10.16
	22639	4	217	323	.045	1.14	.460	11.68
	22640	6	320	476	.045	1.14	.570	14.48
	22641	8	405	603	.060	1.52	.610	15.49
	22676	12	573	853	.060	1.52	.730	18.54
	22643	16	722	1076	.060	1.52	.810	20.57
	22647	24	1103	1641	.080	2.03	1.040	26.42
	22670	36	1548	2304	.080	2.03	1.190	30.23
-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)								

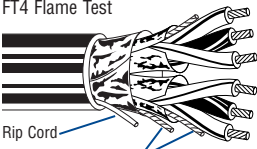
### 20 AWG Triads Stranded (7x28) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)

<b>PVC Insulation • Black PVC Jacket (Color Code: Black, White and Red with Numbers)</b>								
CSA C22.2#239, Type CIC	22660*	1	89	132	.045	1.14	.270	6.86
CSA C22.2 #0.3 Clause 4.31 Low Acid Gas FT4 Flame Test	22662	2	177	263	.045	1.14	.420	10.67
	22663	4	277	412	.045	1.14	.490	12.45
	22672	8	521	775	.060	1.52	.650	16.51
	22673	16	1000	1488	.080	2.03	.910	23.11
	22674	24	1414	2104	.080	2.03	1.110	28.19
-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)								

### 18 AWG Pairs Stranded (7x26) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)

<b>PVC Insulation • Black PVC Jacket (Color Code: Black and White with Numbers)</b>								
CSA C22.2#239, Type CIC	22645*	1	97	144	.045	1.14	.300	7.62
CSA C22.2 #0.3 Clause 4.31 Low Acid Gas FT4 Flame Test	22633	2	196	292	.045	1.14	.480	12.19
	22648	4	338	503	.045	1.14	.580	14.73
	22634	6	473	704	.060	1.52	.670	17.02
	22635	8	570	848	.060	1.52	.730	18.54
	22636	12	869	1293	.060	1.52	.920	23.37
	22654	16	1095	1630	.080	2.03	1.020	25.91
	22637	24	1552	2310	.080	2.03	1.260	32.00
-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)								

### 18 AWG Triads Stranded (7x26) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)

<b>PVC Insulation • Black PVC Jacket (Color Code: Black, White and Red with Numbers)</b>								
CSA C22.2#239, Type CIC	22677*	1	121	180	.045	1.14	.303	7.70
CSA C22.2 #0.3 Clause 4.31 Low Acid Gas FT4 Flame Test	22678	2	256	381	.045	1.14	.480	12.19
	22679	4	427	636	.060	1.52	.620	15.75
	22680	8	597	888	.060	1.52	.710	18.03
	22681	16	740	1101	.060	1.52	.770	19.56
	22682	24	1130	1682	.080	2.03	.980	24.89
	22683	16	1436	2137	.080	2.03	1.090	27.69
	22684	24	2049	3049	.080	2.03	1.340	34.04
-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)								

\*One pair/triad cables have one shield and drain wire

TC = Tinned Copper

# BELDEN

For more information, contact Belden Technical Support: 1-800-BELDEN-1 • [www.belden.com](http://www.belden.com)

[Belden114@CableCon.kr](mailto:Belden114@CableCon.kr) / 0707-434-7704 / Fax. 02-744-0909 / [www.CableCon.co.kr](http://www.CableCon.co.kr)

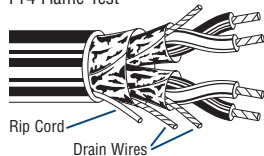
**CSA Instrumentation Cable**

300V CIC

Description	Part Number	No. of Pairs or Triads	Cable Weight		Jacket Thickness		Nominal OD	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm

**16 AWG Pairs** Stranded (7x24) TC Conductors • Individual Beldfoil® + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**PVC Insulation • Black PVC Jacket** (Color Code: Black and White with Numbers)

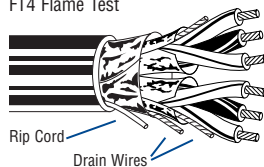
CSA C22.2#239, Type CIC	<b>22646*</b>	1	122	182	.045	1.14	.320	8.13
CSA C22.2 #0.3 Clause 4.31 Low Acid Gas FT4 Flame Test	<b>22628</b>	2	262	390	.045	1.14	.520	13.21
	<b>22629</b>	4	438	652	.060	1.52	.628	15.95
	<b>22630</b>	6	603	897	.060	1.52	.740	18.80
	<b>22631</b>	8	752	1119	.060	1.52	.800	20.32
	<b>22632</b>	12	1148	1708	.080	2.03	1.010	25.65
	<b>22685</b>	16	1461	2174	.080	2.03	1.120	28.45
	<b>22686</b>	24	2091	3112	.080	2.03	1.380	35.05



-25°C Installed  
 -40°C to +105°C (Dry) (75°C Wet)

**16 AWG Triads** Stranded (7x24) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**PVC Insulation • Black PVC Jacket** (Color Code: Black, White and Red with Numbers)

CSA C22.2#239, Type CIC	<b>22603*</b>	1	152	226	.045	1.14	.329	8.36
CSA C22.2 #0.3 Clause 4.31 Low Acid Gas FT4 Flame Test	<b>22687</b>	2	344	512	.045	1.14	.580	14.73
	<b>22675</b>	4	564	839	.060	1.52	.670	17.02
	<b>22688</b>	6	819	1219	.060	1.52	.780	19.81
	<b>22689</b>	8	1063	1582	.080	2.03	.940	23.88
	<b>22690</b>	12	1524	2268	.080	2.03	1.080	27.43

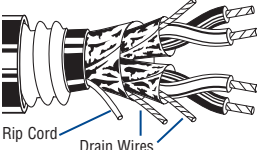


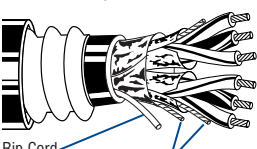
-25°C Installed  
 -40°C to +105°C (Dry) (75°C Wet)

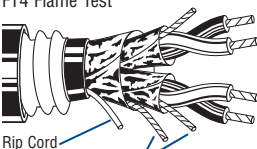
TC = Tinned Copper

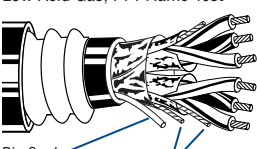
\*One pair/triad cables have one shield and drain wire

**CSA Instrumentation Cable****300V ACIC Armored Cables**

Description	Part No.		No. of Pairs/Triads	Cable Weight Aluminum Armor		Cable Weight Steel Armor		Insulation Thickness		Nominal OD Inner Jacket		Nominal OD Outer Jacket	
	Aluminum Armor	Steel Armor		Lbs./1000 Ft.	kg/km	Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm
<b>20 AWG Pairs</b> Stranded (7x28) TC Cond. • Individual Beldfoil® + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage) • Drain Wires													
<b>Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket</b>													
CSA C22.2#239, Type ACIC	23543**	26530**	1	140	208	230	342	.020	.51	.26	6.6	.56	14.2
CSA C22.2#174, HLBCD	23534	26531	2	206	307	325	484	.020	.51	.40	10.2	.70	17.8
CSA C22.2#0.3, Clause 4.31	23514	26532	4	255	379	390	580	.020	.51	.46	11.7	.76	19.3
Low Acid Gas	23513	26533	6	297	442	494	735	.020	.51	.57	14.5	.88	22.4
FT4 Flame Test	23503	26534	8	361	537	563	840	.020	.51	.63	16.0	.92	23.4
	23521	26535	12	480	714	694	1033	.020	.51	.75	19.1	1.06	26.9
	23532	26536	16	600	893	900	1339	.020	.51	.79	20.1	1.16	29.5
	23506	26537	24	800	1191	1175	1749	.020	.51	1.05	26.7	1.42	36.1
	23544	26538	36	1050	1563	1500	2232	.020	.51	1.14	29.0	1.57	39.9
	23575	26546	50	1468	2185	2010	2991	.020	.51	1.37	34.8	1.75	44.5
-25°C Installed													
-40°C to +105°C (Dry) (75°C Wet)													

<b>20 AWG Triads</b> Stranded (7x28) TC Cond. • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage) • Drain Wires													
<b>Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket</b>													
CSA C22.2#239, Type ACIC	23545**	26539**	1	139	207	235	350	.020	.51	.27	6.9	.57	14.5
CSA C22.2#174, HLBCD	23546	26540	2	210	313	345	513	.020	.51	.43	10.9	.73	18.5
CSA C22.2#0.3, Clause 4.31	23547	26541	4	270	402	425	632	.020	.51	.50	12.7	.80	20.3
Low Acid Gas, FT4 Flame Test	23548	26542	8	444	661	650	967	.020	.51	.69	17.5	1.00	25.4
	23571	26553	12	632	941	970	1444	.020	.51	.82	20.8	1.24	31.5
	23549	26543	16	740	1101	1090	1622	.020	.51	.91	23.1	1.28	32.5
	23550	26544	24	990	1473	1360	2024	.020	.51	1.11	28.2	1.48	37.6
-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)													

<b>18 AWG Pairs</b> Stranded (7x26) TC Cond. • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage) • Drain Wires													
<b>Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket</b>													
CSA C22.2#239, Type ACIC	23533**	26514**	1	160	238	258	384	.025	.64	.30	7.6	.60	15.2
CSA C22.2#174, HLBCD	23511	26515	2	247	368	384	572	.025	.64	.48	12.2	.78	19.8
CSA C22.2#0.3, Clause 4.31	23530	26516	4	340	506	500	744	.025	.64	.58	14.7	.88	22.4
Low Acid Gas	23528	26517	6	420	625	644	958	.025	.64	.67	17.0	.98	24.9
FT4 Flame Test	23531	26518	8	543	808	827	1230	.025	.64	.73	18.5	1.03	26.2
	23524	26519	12	725	1079	1045	1555	.025	.64	.90	22.9	1.28	32.5
	23519	26520	16	850	1265	1210	1801	.025	.64	.99	25.1	1.37	34.8
	23542	26521	24	1100	1637	1510	2247	.025	.64	1.24	31.5	1.63	41.4
	23554	26555	36	1465	2180	1960	2917	.025	.64	1.41	35.8	1.80	45.7
-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)													

<b>18 AWG Triads</b> Stranded (7x26) TC Cond. • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage) • Drain Wires													
<b>Interlocked Armor • PVC Insulation* • PVC Inner Jacket • Chrome PVC Outer Jacket</b>													
CSA C22.2#239, Type ACIC	23505**	26522**	1	175	260	275	409	.025	.64	.33	8.4	.61	15.5
CSA C22.2#174, HLBCD	23516	26523	2	275	409	417	621	.025	.64	.51	13.0	.81	20.6
CSA C22.2#0.3, Clause 4.31	23515	26524	4	385	573	555	826	.025	.64	.62	15.7	.93	23.6
Low Acid Gas, FT4 Flame Test	23508	26525	6	535	796	780	1161	.025	.64	.75	19.1	1.11	28.2
	23523	26526	8	680	1012	995	1481	.025	.64	.81	20.6	1.18	30.0
	23512	26527	12	916	1363	1215	1808	.025	.64	1.03	26.2	1.40	35.6
	23537	26528	16	1020	1518	1400	2083	.025	.64	1.13	28.7	1.50	38.1
	23536	26529	24	1335	1987	1775	2642	.025	.64	1.37	34.8	1.80	45.7
-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)													

Color Code: Pairs — Black and White with Numbers.  
Triads — Black, White and Red with Numbers.

TC = Tinned Copper

\*Note: Add D suffix for XLPE insulation. Example: 23543D.  
\*\*One pair/triad cables have one foil shield and drain wire

**BELDEN**

For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

**Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr**

## CSA Instrumentation Cable

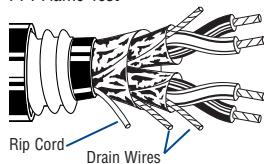
### 300V ACIC Armored Cables

Description	Part No.		No. of Pairs/Triads	Cable Weight Aluminum Armor		Cable Weight Steel Armor		Insulation Thickness		Nominal OD Inner Jacket		Nominal OD Outer Jacket	
	Aluminum Armor	Steel Armor		Lbs. / 1000 Ft.	kg/km	Lbs. / 1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm

**16 AWG Pairs** Stranded (7x24) TC Conductors • Individual Beldfoil® + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)

**Interlocked Armor • PVC Insulation\* • PVC Inner Jacket • Chrome PVC Outer Jacket**

CSA C22.2#239, Type ACIC	<b>23501**</b>	<b>26500**</b>	1	175	260	280	417	.025	.64	.33	8.4	.62	15.8
CSA C22.2#174, HLBCD	<b>23527</b>	<b>26501</b>	2	280	417	425	635	.025	.64	.52	13.2	.81	20.6
CSA C22.2#0.3, Clause 4.31	<b>23509</b>	<b>26503</b>	4	395	588	570	848	.025	.64	.63	16.0	.93	23.6
Low Acid Gas	<b>23500</b>	<b>26504</b>	6	510	759	715	1064	.025	.64	.73	18.5	1.03	26.2
FT4 Flame Test	<b>23510</b>	<b>26505</b>	8	625	930	910	1354	.025	.64	.79	20.1	1.16	29.5
	<b>23525</b>	<b>26506</b>	12	875	1302	1230	1831	.025	.64	1.00	25.4	1.37	34.8
	<b>23539</b>	<b>26507</b>	16	1054	1569	1445	2151	.025	.64	1.12	28.2	1.48	37.6
	<b>23538</b>	<b>26508</b>	24	1397	2079	1840	2738	.025	.64	1.36	34.5	1.75	44.5
	<b>23568</b>	<b>26551</b>	36	1920	2857	2460	3661	.025	.64	1.60	40.6	1.97	50.0

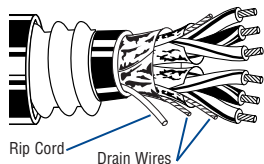


-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

**16 AWG Triads** Stranded (7x24) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)

**Interlocked Armor • PVC Insulation\* • PVC Inner Jacket • Chrome PVC Outer Jacket**

CSA C22.2#239, Type ACIC	<b>23507**</b>	<b>26502**</b>	1	190	282	295	439	.025	.64	.35	8.9	.63	16.0
CSA C22.2#174, HLBCD	<b>23522</b>	<b>26509</b>	2	342	508	500	744	.025	.64	.58	14.7	.90	22.9
CSA C22.2#0.3, Clause 4.31	<b>23520</b>	<b>26510</b>	4	450	670	640	953	.025	.64	.68	17.3	.95	24.1
Low Acid Gas	<b>23529</b>	<b>26511</b>	6	650	967	928	1381	.025	.64	.78	19.8	1.19	30.2
FT4 Flame Test	<b>23526</b>	<b>26512</b>	8	825	1228	1130	1682	.025	.64	.93	23.6	1.30	33.0
	<b>23541</b>	<b>26513</b>	12	1082	1610	1511	2249	.025	.64	1.13	28.7	1.50	38.1
	<b>23567</b>	<b>26545</b>	16	1285	1912	1705	2537	.025	.64	1.25	31.8	1.64	41.7
	<b>23578</b>	<b>26547</b>	24	1725	2567	2200	3274	.025	.64	1.58	40.1	1.95	49.5



-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

TC = Tinned Copper

\*Note: Add D suffix for XLPE insulation. Example: 23501D.

\*\*One pair/triad cables have one foil shield and drain wire

Color Code: Pairs — Black and White with Numbers.

Triads — Black, White and Red with Numbers.

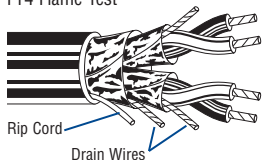
**CSA Instrumentation Cable**

600V CIC

Description	Part Number	No. of Pairs or Triads	Cable Weight		Jacket Thickness		Nominal OD	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm

**18 AWG Pairs** Stranded (7x26) TC Conductors • Individual Beldfoil® + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**PVC Insulation • Black PVC Jacket** (Color Code: Black and White with Numbers)

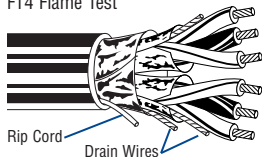
CSA C22.2#239, Type CIC	22417*	1	109	162	.045	1.14	.32	8.13
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	22405	2	229	341	.045	1.14	.51	12.95
	22404	4	374	557	.060	1.52	.63	16.00
	22418	8	632	941	.060	1.52	.79	20.07
	22421	12	970	1444	.080	2.03	1.00	25.40
	22419	24	1741	2591	.080	2.03	1.36	34.54



-25°C Installed  
-40°C to +105°C (Dry) (75°C Wet)

**18 AWG Triads** Stranded (7x26) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**PVC Insulation • Black PVC Jacket** (Color Code: Black, White and Red with Numbers)

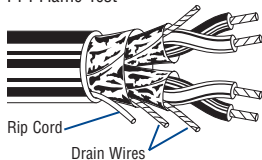
CSA C22.2#239, Type CIC	22442*	1	131	195	.045	1.14	.34	8.64
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	22443	2	299	445	.060	1.52	.58	14.73
	22444	4	476	708	.060	1.52	.68	17.27
	22445	8	893	1329	.080	2.03	.88	22.35



-25°C Installed  
-40°C to +105°C (Dry) (75°C Wet)

**16 AWG Pairs** Stranded (7x24) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**PVC Insulation • Black PVC Jacket** (Color Code: Black and White with Numbers)

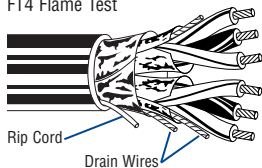
CSA C22.2#239, Type CIC	22416*	1	129	192	.045	1.14	.34	8.64
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	22409	2	229	341	.045	1.14	.59	14.99
	22410	4	469	698	.060	1.52	.68	17.27
	22446	6	667	993	.060	1.52	.79	20.07
	22411	8	841	1252	.080	2.03	.90	22.86
	22412	12	1235	1838	.080	2.03	1.09	27.69
	22447	24	2250	3349	.080	2.03	1.49	37.85



-25°C Installed  
-40°C to +105°C (Dry) (75°C Wet)

**16 AWG Triads** Stranded (7x24) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)**PVC Insulation • Black PVC Jacket** (Color Code: Black, White and Red with Numbers)

CSA C22.2#239, Type CIC	22413*	1	167	249	.045	1.14	.36	9.14
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	22448	2	372	554	.045	1.14	.62	15.88
	22414	4	606	902	.060	1.52	.72	18.29
	22415	8	1144	1703	.080	2.03	.96	24.38



-25°C Installed  
-40°C to +105°C (Dry) (75°C Wet)

TC = Tinned Copper

\*One pair/triad cables have one foil shield and drain wire

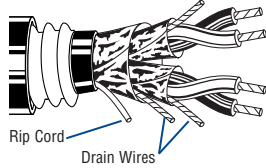
**CSA Instrumentation Cable****600V ACIC Armored Cables**

Description	Part No.		No. of Pairs/Triads	Cable Weight Aluminum Armor		Cable Weight Steel Armor		Insulation Thickness		Nominal OD Inner Jacket		Nominal OD Outer Jacket	
	Aluminum Armor	Steel Armor		Lbs./1000 Ft.	kg/km	Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm

**18 AWG Pairs** Stranded (7x26) TC Cond. • Individual Beldfoil® + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)

**Interlocked Armor • PVC Insulation\* • PVC Inner Jacket • Chrome PVC Outer Jacket**

CSA C22.2#239, Type ACIC	<b>24511**</b>	<b>25506**</b>	1	154	229	257	382	.030	.76	.32	8.13	.61	15.49
CSA C22.2#174, HLBCD	<b>24512</b>	<b>25514</b>	2	238	354	387	575	.030	.76	.51	12.95	.82	20.83
CSA C22.2#0.3, Clause 4.31	<b>24513</b>	<b>25503</b>	4	335	499	504	750	.030	.76	.63	16.00	.93	23.62
Low Acid Gas, FT4 Flame Test	<b>24514</b>	<b>25505</b>	8	536	798	829	1233	.030	.76	.79	20.27	1.15	29.21
	<b>24515</b>	<b>25501</b>	12	739	1100	1092	1624	.030	.76	1.00	25.40	1.36	34.54
	<b>24520</b>	<b>25517</b>	24	1169	1740	1674	2490	.030	.76	1.36	34.54	1.75	44.45

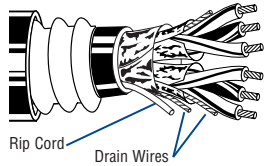


-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

**18 AWG Triads** Stranded (7x26) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)

**Interlocked Armor • PVC Insulation\* • PVC Inner Jacket • Chrome PVC Outer Jacket**

CSA C22.2#239, Type ACIC	<b>24516**</b>	<b>25500**</b>	1	166	247	276	411	.030	.76	.34	8.64	.63	16.00
CSA C22.2#174, HLBCD	<b>24517</b>	<b>25522</b>	2	293	436	455	677	.030	.76	.58	14.73	.89	22.61
CSA C22.2#0.3, Clause 4.31	<b>24518</b>	<b>25520</b>	4	391	582	572	851	.030	.76	.66	16.76	.99	25.15
Low Acid Gas, FT4 Flame Test	<b>24519</b>	<b>25523</b>	8	673	1002	988	1470	.030	.76	.88	22.35	1.29	32.77

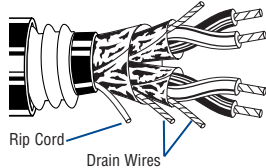


-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

**16 AWG Pairs** Stranded (7x24) TC Cond. • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)

**Interlocked Armor • PVC Insulation\* • PVC Inner Jacket • Chrome PVC Outer Jacket**

CSA C22.2#239, Type ACIC	<b>24500**</b>	<b>25504**</b>	1	171	254	279	415	.030	.76	.34	8.64	.64	16.26
CSA C22.2#174, HLBCD	<b>24505</b>	<b>25510</b>	2	299	445	455	677	.030	.76	.59	14.99	.89	22.61
CSA C22.2#0.3, Clause 4.31	<b>24502</b>	<b>25511</b>	4	450	670	583	868	.030	.76	.68	17.27	.98	24.89
Low Acid Gas, FT4 Flame Test	<b>24506</b>	<b>25512</b>	6	576	857	880	1310	.030	.76	.79	20.07	1.16	29.46
	<b>24503</b>	<b>25513</b>	8	679	1010	1005	1496	.030	.76	.90	22.86	1.27	32.26
	<b>24504</b>	<b>25518</b>	12	908	1351	1280	1905	.030	.76	1.09	27.69	1.46	37.08
	<b>24510</b>	<b>25519</b>	24	1502	2235	2030	3021	.030	.76	1.49	37.85	1.88	47.75

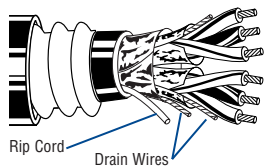


-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

**16 AWG Triads** Stranded (7x24) TC Conductors • Individual Beldfoil + Polyester Isolation Tape • Overall Beldfoil Shield (100% Coverage)

**Interlocked Armor • PVC Insulation\* • PVC Inner Jacket • Chrome PVC Outer Jacket**

CSA C22.2#239, Type ACIC	<b>24501**</b>	<b>25502**</b>	1	195	290	309	460	.030	.76	.36	9.14	.66	16.76
CSA C22.2#174, HLBCD	<b>24507</b>	<b>25507</b>	2	339	505	465	692	.030	.76	.62	15.75	.94	23.88
CSA C22.2#0.3, Clause 4.31	<b>24508</b>	<b>25509</b>	4	464	691	793	1180	.030	.76	.72	18.29	1.05	26.67
Low Acid Gas, FT4 Flame Test	<b>24509</b>	<b>25508</b>	8	807	1201	1250	1860	.030	.76	.96	24.38	1.33	33.78



-25°C Installed • -40°C to +105°C (Dry) (75°C Wet)

Color Code: Pairs — Black and White with Numbers.  
Triads — Black, White and Red with Numbers.

TC = Tinned Copper

\*Note: Add D suffix for XLPE insulation. Example: 24511D.  
\*\*One pair/triad cables have one foil shield and drain wire

**BELDEN**

For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

## CSA Control and Power Cable

### 600V and 1000V TC/CIC Multi-conductor Cables

#### Cable Specifications

- CSA C22.2 #230 Type TC
- CSA C22.2 #239 Control and Instrumentation (600V only)
- CSA C22.2 #38 Type TC (1000V only)
- CSA FT4 70,000 BTU Flame Test
- 90°C Dry & Wet
- -40°C Cold Bend, -25°C Cold Impact
- -25°C Installation temp
- Per CEC Part 1, Suitable for use in hazardous locations:  
Class 1 — Zone 2  
Class 2 — Division 2
- Sunlight Resistant/UV Resistant
- Direct Burial

#### To Create a Part Number

Add suffix "S" for Overall Foil Shielding

#### Sample Part Number:

**21500S** = 600V CSA Tray Control Cable  
2-conductor, 14 AWG Bare Copper  
Conductor with XLPE Insulation,  
PVC Jacket, and Overall Foil Shield

#### Color Codes

No. of Conductors	Color Combination
2	Black & White
3	Black, Red & Blue
4	Black, Red, Blue & White
5 or more	Black & Number Coded

No. of Conductors	Part Numbers					
	14 AWG (7 Strand)		12 AWG (7 Strand)		10 AWG (7 Strand)	
	600V	1000V	600V	1000V	600V	1000V
2	21500	21300	21550	21350	21600	21400
3	21501	21301	21551	21351	21601	21401
4	21502	21302	21552	21352	21602	21402
5	21503	21303	21553	21353	21603	21403
6	21504	21304	21554	21354	21604	21404
7	21505	21305	21555	21355	21605	21405
8	21506	21306	21556	21356	21606	21406
9	21507	21307	21557	21357	21607	21407
10	21508	21308	21558	21358	21608	21408
11	21509	21309	21559	21359	21609	21409
12	21510	21310	21560	21360	21610	21410
13	21511	21311	21561	21361	21611	21411
14	21512	21312	21562	21362	21612	21412
15	21513	21313	21563	21363	21613	21413
16	21514	21314	21564	21364	21614	21414
17	21515	21315	21565	21365	21615	21415
18	21516	21316	21566	21366	21616	21416
19	21517	21317	21567	21367	21617	21417
20	21518	21318	21568	21368	21618	21418
21	21519	21319	21569	21369	21619	21419
22	21520	21320	21570	21370	21620	21420
23	21521	21321	21571	21371	21621	21421
24	21522	21322	21572	21372	21622	21422
25	21523	21323	21573	21373	21623	21423
26	21524	21324	21574	21374	21624	21424
27	21525	21325	21575	21375	21625	21425
28	21526	21326	21576	21376	21626	21426
29	21527	21327	21577	21377	21627	21427
30	21528	21328	21578	21378	21628	21428
31	21529	21329	21579	21379	21629	21429
32	21530	21330	21580	21380	21630	21430
33	21531	21331	21581	21381	21631	21431
34	21532	21332	21582	21382	21632	21432
35	21533	21333	21583	21383	21633	21433
36	21534	21334	21584	21384	21634	21434
37	21535	21335	21585	21385	21635	21435
38	21536	21336	21586	21386	21636	21436
39	21537	21337	21587	21387	21637	21437
40	21538	21338	21588	21388	21638	21438
41	21539	21339	21589	21389	21639	21439
42	21540	21340	21590	21390	21640	21440
43	21541	21341	21591	21391	21641	21441
44	21542	21342	21592	21392	21642	21442
45	21543	21343	21593	21393	21643	21443
46	21544	21344	21594	21394	21644	21444
47	21545	21345	21595	21395	21645	21445
48	21546	21346	21596	21396	21646	21446
49	21547	21347	21597	21397	21647	21447
50	21548	21348	21598	21398	21648	21448

No. of Cond.	Part Numbers									
	8 AWG (7 Strand)		6 AWG (7 Strand)		4 AWG (7 Strand)		3 AWG (7 Strand)		2 AWG (7 Strand)	
	600V	1000V	600V	1000V	600V	1000V	600V	1000V	600V	1000V
2	21650	21450	21653	21453	21656	21456	21659	21459	21662	21462
3	21651	21451	21654	21454	21657	21457	21660	21460	21663	21463
4	21652	21452	21655	21455	21658	21458	21661	21461	21664	21464

No. of Cond.	Part Numbers									
	1 AWG (19 Strand)		1/0 AWG (19 Strand)		2/0 AWG (19 Strand)		3/0 AWG (19 Strand)		4/0 AWG (19 Strand)	
	600V	1000V	600V	1000V	600V	1000V	600V	1000V	600V	1000V
2	21665	21465	21668	21468	21671	21471	21674	21474	21677	21477
3	21666	21466	21669	21469	21672	21472	21675	21475	21678	21478
4	21667	21467	21670	21470	21673	21473	21676	21476	21679	21479



## CSA Control Cable

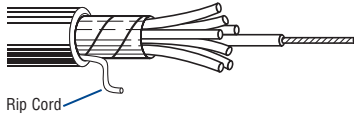
### 600V CIC Multi-conductor Cables

Description	Part Number	No. of Cond.	Cable Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
			Lbs. / 1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm

#### 14 AWG Stranded (7x22) Bare Copper Conductors

##### Cross-linked Polyethylene Insulation • Black PVC Jacket (Color Code: Black and Numbered)

CSA C22.2#131, Type CIC	22100	2	62	92	.030	.76	.045	1.14	.367	9.32
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	22101	3	81	121	.030	.76	.045	1.14	.388	9.86
	22102	4	101	150	.030	.76	.045	1.14	.423	10.74
	22103	5	122	182	.030	.76	.045	1.14	.462	11.74
	22104	6	143	213	.030	.76	.045	1.14	.504	12.80
	22105	7	160	238	.030	.76	.045	1.14	.504	12.80
	22106	8	197	293	.030	.76	.060	1.52	.576	14.63
	22107	9	220	327	.030	.76	.060	1.52	.618	15.70
	22108	10	226	336	.030	.76	.060	1.52	.669	17.00
	22110	12	279	415	.030	.76	.060	1.52	.689	17.50
	22114	16	357	531	.030	.76	.060	1.52	.764	19.41
	22118	20	467	695	.030	.76	.080	2.03	.886	22.50



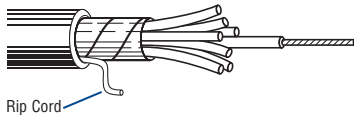
Rip Cord

-25°C Installed  
-40°C to +90°C (Dry) (75°C Wet)

#### 12 AWG Stranded (7x20) Bare Copper Conductors

##### Cross-linked Polyethylene Insulation • Black PVC Jacket (Color Code: Black and Numbered)

CSA C22.2#131, Type CIC	22120	2	82	122	.030	.76	.045	1.14	.405	10.29
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	22121	3	109	162	.030	.76	.045	1.14	.429	10.90
	22122	4	140	208	.030	.76	.045	1.14	.469	11.91
	22123	5	170	253	.030	.76	.045	1.14	.515	13.08
	22124	6	214	319	.030	.76	.060	1.52	.591	15.01
	22125	7	240	357	.030	.76	.060	1.52	.591	15.01
	22126	8	270	402	.030	.76	.060	1.52	.639	16.23
	22127	9	302	449	.030	.76	.060	1.52	.687	17.45
	22128	10	336	500	.030	.76	.060	1.52	.745	18.92
	22130	12	390	580	.030	.76	.060	1.52	.768	19.51
	22134	16	584	869	.030	.76	.080	2.03	.893	22.68
	22138	20	655	975	.030	.76	.080	2.03	.992	25.20



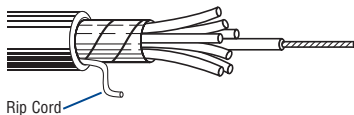
Rip Cord

-25°C Installed  
-40°C to +90°C (Dry) (75°C Wet)

#### 10 AWG Stranded (7x18) Bare Copper Conductors

##### Cross-linked Polyethylene Insulation • Black PVC Jacket (Color Code: Black and Numbered)

CSA C22.2#131, Type CIC	22140	2	148	220	.030	.76	.045	1.14	.736	18.69
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	22141	3	189	281	.030	.76	.045	1.14	.763	19.38
	22142	4	248	369	.030	.76	.060	1.52	.839	21.31
	22143	5	293	436	.030	.76	.060	1.52	.891	22.63
	22144	6	338	503	.030	.76	.060	1.52	.944	23.98
	22145	7	378	563	.030	.76	.060	1.52	.944	23.98
	22146	8	424	631	.030	.76	.060	1.52	.999	25.38
	22147	9	469	698	.030	.76	.060	1.52	1.074	27.28
	22148	10	548	816	.030	.76	.080	2.03	1.182	30.02
	22150	12	631	939	.030	.76	.080	2.03	1.209	30.71
	22152	14	717	1067	.030	.76	.080	2.03	1.255	31.88
	22154	16	805	1198	.030	.76	.080	2.03	1.307	33.20



Rip Cord

-25°C Installed  
-40°C to +90°C (Dry) (75°C Wet)

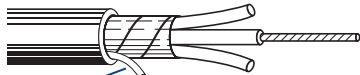
**CSA Control Cable**

## 600V CIC Multi-conductor Cables

Description	Part Number	No. of Cond.	Cable Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm

**8 AWG** Stranded (7x16) Bare Copper Conductors**Cross-linked Polyethylene Insulation • Black PVC Jacket** (Color Code: Black and Numbered)

CSA C22.2#131, Type CIC	<b>22160</b>	2	240	357	.045	1.14	.060	1.52	.863	21.92
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	<b>22161</b>	3	308	458	.045	1.14	.060	1.52	.898	22.81
	<b>22162</b>	4	379	564	.045	1.14	.060	1.52	.957	24.31



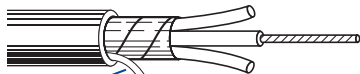
Rip Cord

-25°C Installed

-40°C to +90°C (Dry) (75°C Wet)

**6 AWG** Stranded (7x14) Bare Copper Conductors**Cross-linked Polyethylene Insulation • Black PVC Jacket** (Color Code: Black and Numbered)

CSA C22.2#131, Type CIC	<b>22170</b>	2	279	415	.060	1.52	.060	1.52	.711	18.06
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	<b>22171</b>	3	383	570	.060	1.52	.060	1.52	.756	19.20



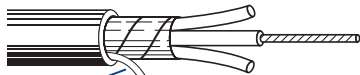
Rip Cord

-25°C Installed

-40°C to +90°C (Dry) (75°C Wet)

**4 AWG** Stranded (7x12) Bare Copper Conductors**Cross-linked Polyethylene Insulation • Black PVC Jacket** (Color Code: Black and Numbered)

CSA C22.2#131, Type CIC	<b>22180</b>	2	390	580	.060	1.52	.060	1.52	.800	20.32
CSA C22.2#0.3, Clause 4.31 Low Acid Gas FT4 Flame Test	<b>22181</b>	3	580	863	.060	1.52	.080	2.03	.891	22.63



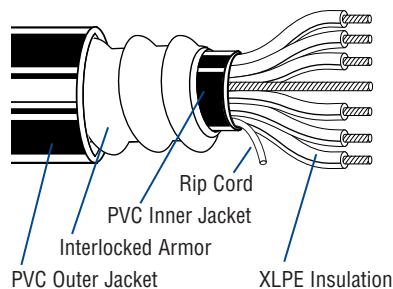
Rip Cord

-25°C Installed

-40°C to +90°C (Dry) (75°C Wet)

## CSA Control Cable

### 600V ACIC and Teck90 Cables — Overview



#### Introduction

Belden® Teck90 and ACIC cables are designed to meet demanding industrial needs by combining rugged durability and corrosion resistance with flexibility and easy handling.

Teck90 and ACIC Cables are available in a wide range of in-stock and custom constructions to meet the needs of pulp and paper, chemical, petroleum and other demanding industrial and resource industry environments. They are ideal for use in wet or dry areas; ventilated, non-ventilated or ladder-type cable troughs; ventilated flexible cableways; and for direct burial.

Belden Teck90 Cable is marked with “FT4,” “HL” designations, and cable constructions are certified to CSA Standard C22.2#131 and C22.2#174 for use in a wide range of hazardous locations. Both inner and outer jackets meet the acid gas evolution requirement of 14% maximum required by CSA Standard C22.2#0.3 Clause 4.31.

Custom cables are available upon request.

#### Construction

Class B stranded bare copper conductors, cross-link polyethylene insulation, bare copper ground wire, PVC inner jacket, aluminum steel interlocking armor, PVC outer jacket.

- Galvanized steel interlocking armor available as an option.

#### Voltage Rating

18 to 16 AWG — 600V ACIC

14 to 8 AWG — 600 Volts

14 to 4/0 AWG — 1000 Volts

#### Temperature Rating

-40°C to 90°C (Dry/Wet)

-25°C installed

#### Application

Teck90 and ACIC are general-purpose cables used in the pulp and paper, mining, petroleum and chemical industries as well as in commercial buildings.

Teck90 and ACIC may be used under the following conditions:

- Exposed or concealed wiring in dry or wet conditions
- In ventilated, non-ventilated or ladder-type cable trays in dry or wet conditions
- On walls or beams
- Directly buried
- CEC Class I, Division I locations

#### Minimum Bending Radius

12 times the overall cable diameter

#### Pulling Tensions

The combined use of Kellems grips and pulling eyes is recommended.

#### Design Advantages

##### Insulation Properties

- High tensile strength
- Impact- and crush-resistant
- Heat-resistant
- Excellent elongation
- Moisture-resistant
- Good low temperature properties

##### Electrical Properties

- High insulation resistance
- Low dielectric loss
- High dielectric strength

##### Other Features

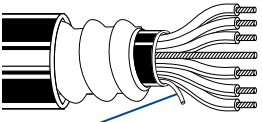
- Corrosion-resistant
- Versatile and flexible
- Provides cost savings as conduit and ducts are not required
- ACIC has a blue jacket
- Rip cord for inner jacket

#### Specifications

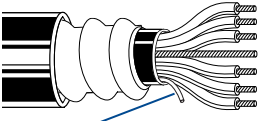
- CSA Standard C22.2#131
- CSA Standard C22.2#174 “Cables and Cable Glands for Use in Hazardous Locations”
- CSA Standard C22.2#0.3 Clause 4.31 “Low Acid Gas”
- CSA Standard C22.2#0.3 Clause 4.11.4 “Cables with FT4 Marking”

**CSA Control Cable**

## 600V ACIC Cables

Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
<b>18 AWG Stranded (7x26) Bare Copper Conductors • 18 AWG Bare Copper Ground Wire</b>														
<b>Aluminum Interlocked Armor • .030" (.76mm) XLPE Insulation • PVC Inner Jacket • Blue PVC Outer Jacket</b>														
CSA C22.2#239 FT4 Flame Test	29030	2	163	243	.32	8.13	.52	13.21	.62	15.75	44	196	7.4	187.96
 Rip Cord	29031	3	177	263	.34	8.64	.54	13.72	.64	16.26	66	294	7.6	193.04
	29032	4	195	290	.37	9.40	.57	14.48	.67	17.02	88	392	8.0	203.20
	29033	5	219	326	.41	10.41	.61	15.49	.71	18.03	110	490	8.5	215.90
	29034	6	239	356	.45	11.43	.65	16.51	.75	19.05	132	587	9.0	228.60
	29035	7	245	365	.45	11.43	.65	16.51	.75	19.05	154	685	9.0	228.60
	29036	8	266	396	.48	12.19	.68	17.27	.78	19.81	176	783	9.3	236.22
	29038	10	331	493	.56	14.22	.76	19.30	.87	22.10	220	979	10.6	269.24
	29040	12	353	525	.62	15.75	.82	20.83	.93	23.62	264	1175	11.1	281.94
	29043	15	401	597	.65	16.51	.85	21.59	.96	24.38	330	1469	11.5	292.10
	29048	20	466	694	.73	18.54	.93	23.62	1.04	26.42	440	1958	12.4	314.96
HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas	29053	25	589	877	.79	20.07	1.05	26.67	1.16	29.46	550	2448	13.9	353.06
	29058	30	698	1039	.88	22.35	1.14	28.96	1.25	31.75	660	2937	15.0	381.00
	29068	40	827	1231	.97	24.64	1.23	31.24	1.35	34.29	880	3916	16.2	411.48
29078	50	965	1436	1.09	27.69	1.35	34.29	1.47	37.34	1100	4895	17.6	447.04	

**16 AWG Stranded (7x24) Bare Copper Conductors • 16 AWG Bare Copper Ground Wire**

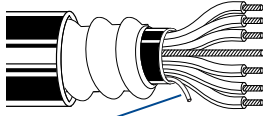
<b>Aluminum Interlocked Armor • .030" (.76mm) XLPE Insulation • PVC Inner Jacket • Blue PVC Outer Jacket</b>														
CSA C22.2#239 FT4 Flame Test	29017	2	202	301	.34	8.64	.54	13.72	.65	16.51	70	312	7.7	195.58
 Rip Cord	29004	3	221	329	.36	9.14	.56	14.22	.66	16.76	105	467	7.9	200.66
	29018	4	242	360	.39	9.91	.59	14.99	.70	17.78	140	623	8.3	210.82
	29019	5	264	393	.42	10.67	.62	15.75	.73	18.54	175	779	8.6	218.44
	29005	6	292	435	.46	11.68	.66	16.76	.77	19.56	210	935	9.1	231.14
	29020	7	314	467	.47	11.94	.67	17.02	.77	19.56	245	1090	9.2	233.68
	29021	8	364	542	.50	12.70	.70	17.78	.80	20.32	280	1246	9.6	243.84
	29022	10	412	613	.61	15.49	.81	20.57	.92	23.37	350	1558	10.9	276.86
	29006	12	441	656	.63	16.00	.83	21.08	.94	23.88	420	1869	11.2	284.48
	29023	15	502	748	.68	17.27	.88	22.35	1.00	25.40	525	2336	11.9	302.26
	29007	20	636	947	.77	19.56	1.03	26.16	1.13	28.70	700	3115	13.7	347.98
HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas	29024	25	845	1258	.89	22.61	1.15	29.21	1.26	32.00	875	3894	15.1	383.54
	29008	30	922	1372	.94	23.88	1.20	30.48	1.30	33.02	1050	4673	15.8	401.32
	29009	40	1109	1650	1.06	26.92	1.32	33.53	1.41	35.81	1400	6230	17.3	439.42
	29016	50	1306	1944	1.19	30.23	1.45	36.83	1.54	39.12	1750	7788	18.8	477.52
	29025	60	1390	2070	1.27	32.26	1.53	38.86	1.66	42.16	2100	9345	19.9	505.46

XLPE = Cross-linked Polyethylene

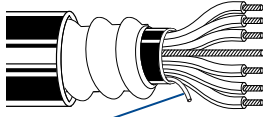
Color Code: #1 conductor is white; remaining conductors are black with number coding. Other color codes available upon request.

**CSA Control Cable**

## 600V Teck90 Cables

Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
<b>14 AWG Stranded (7x22) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire</b>														
<b>Aluminum Interlocked Armor • .030" (.76mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket</b>														
CSA C22.2#131 FT4 Flame Test  Rip Cord	<b>C5500</b>	2	198	296	.36	9.14	.56	14.22	.66	16.76	108	481	7.8	198.12
	<b>C5501</b>	3	222	331	.39	9.91	.58	14.73	.66	16.76	162	721	8.2	208.28
	<b>C5502</b>	4	251	375	.42	10.67	.62	15.75	.71	18.03	216	961	8.5	215.90
	<b>C5503</b>	5	284	424	.47	11.94	.66	16.76	.74	18.80	270	1202	9.0	228.60
	<b>C5504</b>	6	317	473	.51	12.95	.70	17.78	.78	19.81	324	1442	9.5	241.30
	<b>C5505</b>	7	331	494	.51	12.95	.70	17.78	.78	19.81	378	1682	9.5	241.30
	<b>C5506</b>	8	414	618	.58	14.73	.77	19.56	.86	21.84	432	1922	10.4	264.16
	<b>C5508</b>	10	510	761	.67	17.02	.93	23.62	.95	24.13	540	2403	12.3	312.42
	<b>C5510</b>	12	551	822	.69	17.53	.95	24.13	.97	24.64	648	2884	12.6	320.04
	<b>C5513</b>	15	636	949	.77	19.56	1.03	26.16	1.11	28.19	810	3605	14.1	358.14
	<b>C5518</b>	20	810	1209	.90	22.86	1.16	29.46	1.24	31.50	1080	4806	15.1	383.54
	<b>C5523</b>	25	948	1415	.90	22.86	1.24	31.50	1.33	33.78	1350	6008	16.1	408.94
	<b>C5528</b>	30	1047	1563	1.05	26.67	1.30	33.02	1.40	35.56	1620	7209	16.8	426.72
	<b>C5529</b>	40	1310	1955	1.20	30.48	1.42	36.07	1.51	38.35	2160	9612	18.3	464.82
HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas <b>C6064</b>	50	1620	2418	1.35	34.29	1.60	40.64	1.66	42.16	2700	12015	20.5	520.70	

**12 AWG Stranded (7x20) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire**

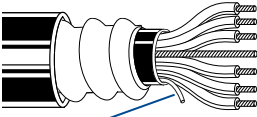
Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
<b>12 AWG Stranded (7x20) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire</b>														
<b>Aluminum Interlocked Armor • .030" (.76mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket</b>														
CSA C22.2#131 FT4 Flame Test  Rip Cord	<b>C5530</b>	2	225	336	.41	10.41	.60	15.24	.69	17.53	172	765	8.3	210.82
	<b>C5531</b>	3	261	390	.43	10.92	.62	15.75	.70	17.78	258	1148	8.6	218.44
	<b>C5532</b>	4	301	449	.47	11.94	.66	16.76	.73	18.54	344	1531	9.1	231.14
	<b>C5533</b>	5	348	519	.52	13.21	.71	18.03	.78	19.81	430	1914	9.1	231.14
	<b>C5534</b>	6	435	649	.59	14.99	.78	19.81	.86	21.84	516	2296	10.5	266.70
	<b>C5535</b>	7	450	672	.59	14.99	.78	19.81	.86	21.84	602	2679	10.5	266.70
	<b>C5536</b>	8	506	755	.64	16.26	.83	21.08	.92	23.37	688	3062	11.1	281.94
	<b>C5538</b>	10	633	945	.75	19.05	1.01	25.65	1.02	25.91	860	3827	13.3	337.82
	<b>C5540</b>	12	696	1039	.77	19.56	1.03	26.16	1.12	28.45	1032	4592	13.5	342.90
	<b>C5543</b>	15	823	1228	.90	22.86	1.16	29.46	1.24	31.50	1290	5741	15.1	383.54
	<b>C5548</b>	20	1035	1545	.99	25.15	1.25	31.75	1.34	34.04	1720	7654	16.5	419.10
	<b>C5553</b>	25	1230	1836	1.10	27.94	1.36	34.54	1.45	36.83	2150	9568	17.6	447.04
	HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas <b>C5558</b>	30	1390	2075	1.20	30.48	1.46	37.08	1.51	38.35	2580	11481	17.6	447.04

XLPE = Cross-linked Polyethylene

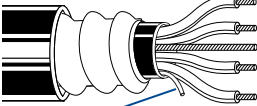
Color Code: 2 conductors — Black, White (If required, a Red conductor can be used in place of White.)  
 3 conductors — Black, Red, Blue (If required, a White conductor can be used in place of Blue.)  
 4 conductors — Black, Red, Blue, White  
 5 or more conductors — Black and numbered

**CSA Control Cable**

## 600V Teck90 Cables

Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
<b>10 AWG Stranded (7x18) Bare Copper Conductors • 12 AWG Bare Copper Ground Wire</b>														
<b>Aluminum Interlocked Armor • .030" (.76mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket</b>														
CSA C22.2#131 FT4 Flame Test  Rip Cord	<b>C5560</b>	2	278	415	.48	12.19	.66	16.76	.72	18.29	296	1317	8.9	226.06
	<b>C5561</b>	3	327	488	.50	12.70	.70	17.78	.75	19.05	444	1976	9.2	233.68
	<b>C5562</b>	4	405	604	.57	14.48	.77	19.56	.79	20.07	592	2634	10.1	256.64
	<b>C5563</b>	5	487	727	.63	16.00	.83	21.08	.93	23.62	740	3293	11.5	292.10
	<b>C5564</b>	6	556	830	.68	17.27	.88	22.35	.93	23.62	888	3952	11.5	292.10
	<b>C5565</b>	7	627	936	.69	17.53	.89	22.61	.99	25.15	1036	4610	11.8	299.72
	<b>C5566</b>	8	739	1103	.74	18.80	.94	23.88	1.00	25.40	1184	5269	12.4	314.96
	<b>C5568</b>	10	964	1439	.84	21.34	1.10	27.94	1.24	31.50	1480	6586	14.4	365.76
	<b>C5570</b>	12	1067	1593	.93	23.62	1.19	30.23	1.26	32.00	1776	7903	15.6	396.24
	<b>C5573</b>	15	1297	1936	.99	25.15	1.25	31.75	1.37	34.80	2220	9879	16.3	414.02
HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas	<b>C5578</b>	20	1546	2307	1.13	28.70	1.39	35.31	1.47	37.34	2960	13172	16.9	429.26
	<b>C5579</b>	25	1802	2690	1.26	32.00	1.52	38.61	1.60	40.64	3700	16465	19.7	500.38
	<b>C5580</b>	30	2142	3197	1.34	34.04	1.60	40.64	1.66	42.16	4440	19758	20.6	523.24

**8 AWG Stranded (7x16) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire**

Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm
<b>Aluminum Interlocked Armor • .045" (1.14mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket</b>														
CSA C22.2#131 FT4 Flame Test  Rip Cord	<b>C5583</b>	2	407	607	.59	14.99	.78	19.81	.86	21.84	384	1709	10.6	269.24
	<b>C5581</b>	3	471	703	.63	16.00	.83	21.08	.90	22.86	576	2563	10.8	274.32
	<b>C5582</b>	4	606	904	.69	17.53	.89	22.61	.97	24.64	768	3418	12.5	317.50
Dual Rated 600V, 1000V HAZ LOC CSA C22.2#0.3 Clause 4.31 Low Acid Gas														

XLPE = Cross-linked Polyethylene

Color Code: 2 conductors — Black, White (if required, a Red conductor can be used in place of White.)  
 3 conductors — Black, Red, Blue (if required, a White conductor can be used in place of Blue.)  
 4 conductors — Black, Red, Blue, White  
 5 or more conductors — Black and numbered

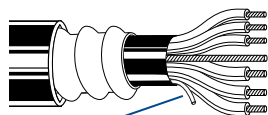
**CSA Control Cable****600V Teck90 Cables**

Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

**Composite 14 AWG Stranded (7x22) and 12 AWG Stranded (7x20) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire**

**Aluminum Interlocked Armor • .031" (.79mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

CSA C22.2#131 FT4 Flame Test	<b>6054</b>	3c/14 3c/12	369	549	.560	14.22	.75	19.05	.89	22.61	424	1886	8.4	213.36
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Rip Cord

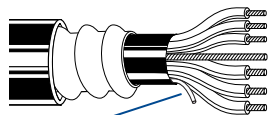
HAZ LOC

CSA C22.2#0.3 Clause 4.31 Low Acid Gas

**Composite 14 AWG Stranded (7x22) and 10 AWG Stranded (7x18) Bare Copper Conductors • 12 AWG Bare Copper Ground Wire**

**Aluminum Interlocked Armor • .031" (.79mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

CSA C22.2#131 FT4 Flame Test	<b>6051</b>	3c/14 3c/10	432	643	.600	15.24	.82	20.83	.92	23.37	608	2705	9.0	228.60
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Rip Cord

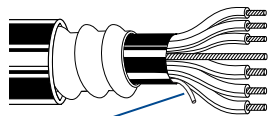
HAZ LOC

CSA C22.2#0.3 Clause 4.31 Low Acid Gas

**Composite 14 AWG Stranded (7x22) and 8 AWG Stranded (7x16) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire**

**Aluminum Interlocked Armor • .046" (1.17mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

CSA C22.2#131 FT4 Flame Test	<b>6059</b>	3c/14 3c/8	608	905	.700	17.78	.89	22.51	.98	24.92	1160	5160	9.8	248.92
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Rip Cord

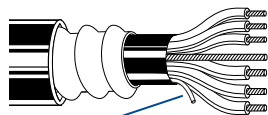
HAZ LOC

CSA C22.2#0.3 Clause 4.31 Low Acid Gas

**Composite 14 AWG Stranded (7x22) and 6 AWG Stranded (7x14) Bare Copper Conductors • 8 AWG Bare Copper Ground Wire**

**Aluminum Interlocked Armor • .061" (1.55mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

CSA C22.2#131 FT4 Flame Test	<b>6060</b>	3c/14 3c/6	849	1264	.810	20.57	1.06	27.00	1.16	29.41	1700	7562	11.6	294.64
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Rip Cord

HAZ LOC

CSA C22.2#0.3 Clause 4.31 Low Acid Gas

XLPE = Cross-linked Polyethylene

Color Code: 2 conductors — Black, White (If required, a Red conductor can be used in place of White.)  
3 conductors — Black, Red, Blue (If required, a White conductor can be used in place of Blue.)  
4 conductors — Black, Red, Blue, White  
5 or more conductors — Black and numbered

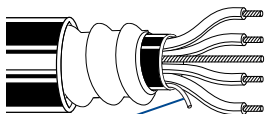
**CSA Control Cable**

## 1000V Teck90 Cables

Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

**14 AWG** Stranded (7x22) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire**Aluminum Interlocked Armor • .045" (1.14mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

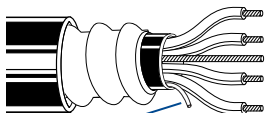
CSA C22.2#131	<b>C5701</b>	3	251	374	.47	11.94	.67	17.02	.73	18.54	162	721	9.2	233.68
FT4 Flame Test	<b>C5702</b>	4	301	448	.51	12.95	.71	18.03	.81	20.57	216	961	9.7	246.38



Rip Cord

HAZ LOC  
CSA C22.2#0.3 Clause 4.31 Low Acid Gas**12 AWG** Stranded (7x20) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire**Aluminum Interlocked Armor • .045" (1.14mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

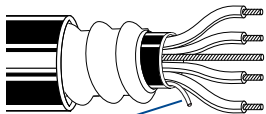
CSA C22.2#131	<b>C5730</b>	2	253	377	.48	12.19	.68	17.27	.74	18.80	172	765	9.3	236.22
FT4 Flame Test	<b>C5731</b>	3	291	433	.51	12.95	.71	18.03	.76	19.30	258	1148	9.7	246.38
	<b>C5732</b>	4	368	548	.59	14.99	.75	19.05	.85	21.59	344	1531	10.8	274.32



Rip Cord

HAZ LOC  
CSA C22.2#0.3 Clause 4.31 Low Acid Gas**10 AWG** Stranded (7x18) Bare Copper Conductors • 12 AWG Bare Copper Ground Wire**Aluminum Interlocked Armor • .045" (1.14mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

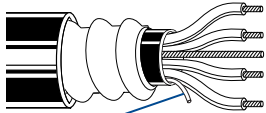
CSA C22.2#131	<b>C5760</b>	2	285	424	.56	14.22	.79	19.99	.70	17.71	296	1317	10.3	261.62
FT4 Flame Test	<b>C5761</b>	3	389	581	.59	14.99	.79	20.07	.85	21.59	444	1976	10.3	261.62
	<b>C5762</b>	4	460	687	.65	16.51	.85	21.59	.90	22.86	592	2634	11.5	292.10



Rip Cord

HAZ LOC  
CSA C22.2#0.3 Clause 4.31 Low Acid Gas**8 AWG** Stranded (7x16) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire**Aluminum Interlocked Armor • .045" (1.14mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

CSA C22.2#131	<b>C5583</b>	2	407	607	.59	14.99	.78	19.81	.86	21.84	384	1709	10.6	269.24
FT4 Flame Test	<b>C5581</b>	3	471	703	.63	16.00	.83	21.08	.90	22.86	576	2563	10.8	274.32
	<b>C5582</b>	4	606	905	.69	17.53	.89	22.61	.97	24.64	768	3418	12.5	317.50



Rip Cord

Dual Rated 600V, 1000V  
HAZ LOC  
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

XLPE = Cross-linked Polyethylene

Color Code: 2 conductors — Black, White (If required, a Red conductor can be used in place of White.)  
 3 conductors — Black, Red, Blue (If required, a White conductor can be used in place of Blue.)  
 4 conductors — Black, Red, Blue, White  
 5 or more conductors — Black and numbered



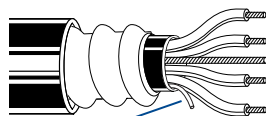
**CSA Control Cable**

## 1000V Teck90 Cables

Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

**6 AWG Stranded (7x14) Bare Copper Conductors • 8 AWG Bare Copper Ground Wire****Aluminum Interlocked Armor • .060" (1.53mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

CSA C22.2#131 FT4 Flame Test	<b>C5590</b>	2	567	844	.73	18.54	.99	25.15	1.10	27.94	610	2713	12.8	325.12
	<b>C5591</b>	3	685	1019	.78	19.81	1.04	26.42	1.15	29.21	915	4072	13.4	340.36
	<b>C5592</b>	4	927	1380	.89	22.61	1.15	29.21	1.24	31.50	1220	5429	14.9	378.46



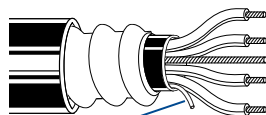
Rip Cord

HAZ LOC

CSA C22.2#0.3 Clause 4.31 Low Acid Gas

**4 AWG Stranded (7x12) Bare Copper Conductors • 8 AWG Bare Copper Ground Wire****Aluminum Interlocked Armor • .060" (1.53mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

CSA C22.2#131 FT4 Flame Test	<b>C5601</b>	3	961	1430	.91	23.11	1.17	29.72	1.23	31.24	1455	6475	15.2	386.08
	<b>C5602</b>	4	1202	1794	.91	23.11	1.25	31.75	1.33	33.78	1940	8633	16.2	411.48



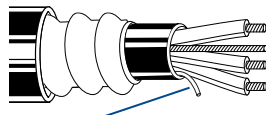
Rip Cord

HAZ LOC

CSA C22.2#0.3 Clause 4.31 Low Acid Gas

**3 AWG Stranded (7x11) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire****Aluminum Interlocked Armor • .060" (1.53mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

CSA C22.2#131 FT4 Flame Test	<b>C5611</b>	3	1126	1681	.97	24.64	1.23	31.24	1.30	33.02	1836	8170	15.8	401.32
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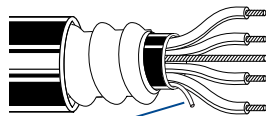
Rip Cord

HAZ LOC

CSA C22.2#0.3 Clause 4.31 Low Acid Gas

**2 AWG Stranded (7x10) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire****Aluminum Interlocked Armor • .060" (1.53mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

CSA C22.2#131 FT4 Flame Test	<b>C5621</b>	3	1291	1927	1.02	25.91	1.28	32.51	1.37	34.80	2316	10302	16.5	419.10
	<b>C5622</b>	4	1691	2524	1.12	28.45	1.38	35.05	1.48	37.59	3088	13736	17.7	449.58



Rip Cord

HAZ LOC

CSA C22.2#0.3 Clause 4.31 Low Acid Gas

XLPE = Cross-linked Polyethylene

Color Code: 2 conductors — Black, White (If required, a Red conductor can be used in place of White.)  
 3 conductors — Black, Red, Blue (If required, a White conductor can be used in place of Blue.)  
 4 conductors — Black, Red, Blue, White

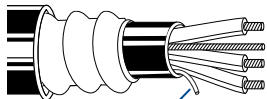
**CSA Control Cable**

## 1000V Teck90 Cables

Description	Part No.	No. of Cond.	Cable Weight		Inner Jacket OD		Armor OD		Outer Jacket		Maximum Pull Tension		Minimum Bend Radius	
			Lbs./1000 Ft.	kg/km	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

**1 AWG Stranded (19x14) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire****Aluminum Interlocked Armor • .080" (2.03mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

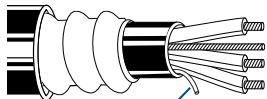
CSA C22.2#131	<b>C5625</b>	3	1620	2411	1.25	31.75	1.51	38.35	1.59	40.39	1980	8807	19.1	485.14
FT4 Flame Test	<b>C5626</b>	4	2173	3234	1.34	34.04	1.57	39.88	1.68	42.67	2680	11921	20.2	513.08



HAZ LOC  
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

**1/0 AWG Stranded (19x12) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire****Aluminum Interlocked Armor • .080" (2.03mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

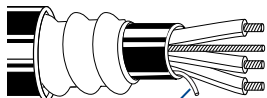
CSA C22.2#131	<b>C5627</b>	3	1912	2854	1.34	34.04	1.60	40.64	1.67	42.42	3582	15940	20.0	508.0
FT4 Flame Test	<b>6164</b>	4	2514	3742	1.44	36.58	1.67	42.42	1.78	45.21	4700	20906	21.4	543.56



HAZ LOC  
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

**2/0 AWG Stranded (19x11) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire****Aluminum Interlocked Armor • .080" (2.03mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

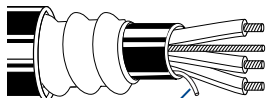
CSA C22.2#131	<b>C5635</b>	3	2300	3423	1.40	35.56	1.63	41.40	1.74	44.20	4200	12010	20.9	530.86
FT4 Flame Test	<b>6157</b>	4	3039	4523	1.55	39.37	1.84	46.74	1.95	49.53	5500	24465	23.4	594.36



HAZ LOC  
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

**3/0 AWG Stranded (19x10) Bare Copper Conductors • 4 AWG Bare Copper Ground Wire****Aluminum Interlocked Armor • .080" (2.03mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

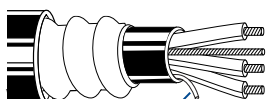
CSA C22.2#131	<b>6163</b>	3	2905	4324	1.51	38.10	1.80	45.72	1.91	48.26	5020	11121	22.9	579.12
FT4 Flame Test	<b>6179</b>	4	3700	5506	1.67	42.42	1.96	49.78	2.07	52.58	6500	28913	24.8	629.92



HAZ LOC  
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

**4/0 AWG Stranded (19x9.5) Bare Copper Conductors • 4 AWG Bare Copper Ground Wire****Aluminum Interlocked Armor • .080" (2.03mm) XLPE Insulation • PVC Inner Jacket • Black PVC Outer Jacket**

CSA C22.2#131	<b>6193</b>	3	3450	5134	1.63	41.40	1.92	48.77	2.03	51.56	6650	29580	24.4	619.76
FT4 Flame Test														



HAZ LOC  
CSA C22.2#0.3 Clause 4.31 Low Acid Gas

XLPE = Cross-linked Polyethylene

Color Code: 3 conductors — Black, Red, Blue (If required, a White conductor can be used in place of Blue.)  
4 conductors — Black, Red, Blue, White

## CSA Control Cable

### 1000V Variable Frequency Drive Cable

#### Cable Specifications

- CSA C22.2 #38 Type TC
- CSA C22.2 #230 Type TC
- CSA FT4 70,000 BTU Flame Test
- 90°C Dry and Wet
- -40°C Cold Bend, -25°C Cold Impact
- -25°C Installation temp
- Per CEC Part 1, Suitable for Use in Hazardous Locations:  
Class 1 — Zone 2  
Class 2 — Division 2
- Sunlight Resistant/UV Resistant
- Direct Burial

#### 14 to 2 AWG with Foil/Braid Shield

Belden's classic line of VFD cables, with foil/braid shield, is offered in 14 to 2 AWG, and continues to be the highest-performing solution in the market. The oversized XLPE insulation provides the lowest capacitance available in a VFD cable. Its highly effective dual shielding provides the lowest resistance to ground path, which improves common mode current containment. Included are a full-size, insulated green ground wire with a yellow stripe, as well as a drain wire for ease of installation and termination. The 85% braid coverage offers optimum EMI low frequency noise protection, while the 100% aluminum/Mylar tape offers RFI high frequency noise protection. Cables are round and smooth for proper sealing of glands and molding applications.

#### Large AWG (1 to 4/0) with Copper Tape Shield, Symmetrical Design

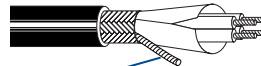
Belden's symmetrical design combines the benefits of our classic line of VFD cables, with additional features for use on larger, more powerful AC motor drives. Its highly effective shielding provides a low resistance ground path, which improves common mode current containment. The spirally applied dual copper tapes provide improved flexibility and EMI/RFI noise protection. Three symmetrical bare ground wires provide a balanced ground system. This reduces the likelihood of premature motor bearing or motor insulation failure.

Description	Part Number	AWG	Stranding	Shield
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**14 to 2 AWG** (3) Stranded Bare Copper Circuit Conductors + (1) Full-sized PVC Insulated Ground • Overall Beldfoil® (100% Coverage) + TC Braid Shield (85% Coverage) • Full Size TC Drain Wire (ICEA Method 4 Color Code: Black and Numbered, Green/Yellow Ground)

#### XLPE Insulation • Black Sunlight- and Oil-resistant PVC Jacket

1000V CSA TC	Part Number	AWG	Stranding	Shield
FT4	29550	14	7	Beldfoil (100% Coverage) + TC Braid (85% Coverage)
RW90 Circuit Conductors	29551	12	7	
	29552	10	7	
	29553	8	7	
	29554	6	7	
	29555	4	7	
	29556	2	7	



Drain Wire

**1 to 4/0 AWG** (3) Stranded Bare Copper Circuit Conductors + (3) Symmetrical Bare Copper Grounds • (2) Spiral Copper Tape Shields

#### XLPE Insulation • Black Sunlight- and Oil-resistant PVC Jacket

1000V CSA TC	Part Number	AWG	Stranding	Shield
FT4	29557	1	19	(2) Spiral Copper Tapes
XHHW-2 Circuit Conductors	29558	1/0	19	
	29559	2/0	19	
	29560	3/0	19	
	29561	4/0	19	



Products listed are subject to minimum order quantities.