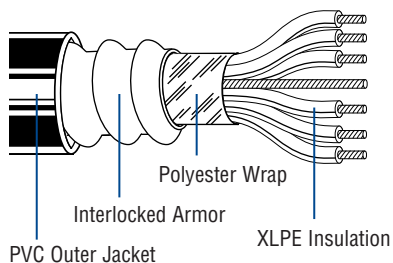


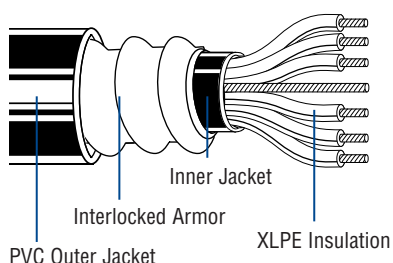
UL Control Cable

600V Type MC Metal Clad and Teck-Style® Cables — Overview

Metal Clad



Teck-Style



Introduction

Belden® Metal Clad (MC) and Teck-Style cables are designed to meet demanding industrial needs by combining rugged durability and corrosion resistance with flexibility and easy handling.

MC and Teck-Style cables are available in a wide range of 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. Custom cables are available to meet exacting requirements.

Belden Type MC Cable is marked sunlight-resistant for cable tray use in direct burial designations, and cable constructions are listed to NEC Type MC.

Teck-Style cables are price-competitive, high-performance, UL and CSA dual-rated cables with a flame-retardant XHHW insulated conductor and an inner PVC jacket for mechanical moisture and corrosion protection.

Construction

Class B stranded bare copper conductors, cross-linked polyethylene insulation, bare copper ground wire, standard aluminum or optional galvanized steel interlocking armor, PVC outer jacket.

- Thermoset insulation — XHHW-2 conductors
- NEC conductor temperature 90°C dry and 90°C wet

Voltage Rating

14 AWG — 2 AWG: 600 Volt

Application

Type MC Cable is a general-purpose cable used in the pulp and paper, mining, petroleum and chemical industries as well as in commercial buildings.

MC Cable 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
- Class I and II Div. 2 and Class III Div. 1 and 2 hazardous 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
- 90°C dry and 90°C wet

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

Specifications

- UL 44
- UL 1569
- UL 1685 (UL 1581) Vertical Tray Flame Test (70,000 BTU/hr)

Tech-Style CSA Specifications

- CSA C22.2 #131
- FT4 Flame Test
- HAZ LOC
- CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

UL Control Cable

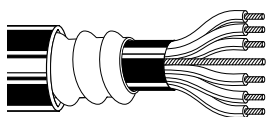
600V Teck-Style® Cables

Dual-Rated Type MC/Teck 90

Description	Part Number		No. of Cond.	Insulation Thickness		Inner Jacket OD		Armor OD		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
	Aluminum Armor	Steel Armor		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

14 AWG Stranded (7x22) Bare Copper Conductors • 14 AWG Bare Copper Ground Wire**Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket**

NEC: MC



27840	28840	2	.030	.76	.37	9.40	.56	14.22	.67	17.02	66	294	8.0	203
27841	28841	3	.030	.76	.39	9.91	.58	14.73	.69	17.53	98	436	8.3	211
27842	28842	4	.030	.76	.43	10.92	.62	15.75	.73	18.54	131	583	8.7	221
27843	28843	5	.030	.76	.47	11.94	.66	16.76	.77	19.56	164	730	9.2	234
27844	28844	6	.030	.76	.51	12.95	.70	17.78	.81	20.57	191	850	9.7	246
27845	28845	7	.030	.76	.51	12.95	.70	17.78	.81	20.57	225	1001	9.7	246
27846	28846	8	.030	.76	.58	14.73	.77	19.56	.88	22.35	260	1157	10.5	267
27847	28847	10	.030	.76	.67	17.02	.93	23.62	1.04	26.42	321	1428	12.5	318
27848	28848	12	.030	.76	.69	17.53	.95	24.13	1.06	26.92	388	1726	10.9	277
27849	28849	15	.030	.76	.77	19.56	1.03	26.16	1.14	28.96	481	2140	13.7	348
27850	28850	20	.030	.76	.86	21.84	1.12	28.45	1.23	31.24	649	2887	15.3	389
27851	28851	25	.030	.76	.92	23.37	1.18	29.97	1.30	33.02	810	3603	16.3	414
27852	28852	30	.030	.76	.98	24.89	1.24	31.50	1.36	34.54	975	4337	17.0	432
27855	28855	40	.030	.76	1.09	27.69	1.35	34.29	1.47	37.34	1301	5787	18.5	470
27886	28886	50	.030	.76	1.19	30.23	1.45	36.83	1.57	39.88	1630	7251	19.8	503

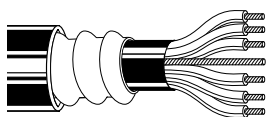
CSA C22.2 #131

FT4 Flame Test, HAZ LOC

CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

12 AWG Stranded (7x20) Bare Copper Conductors • 12 AWG Bare Copper Ground Wire**Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket**

NEC: MC



27853	28853	2	.030	.76	.41	10.41	.60	15.24	.71	18.03	104	463	8.5	216
27854	28854	3	.030	.76	.43	10.92	.62	15.75	.73	18.54	156	694	8.8	224
27855	28855	4	.030	.76	.47	11.94	.66	16.76	.77	19.56	207	921	9.2	234
27856	28856	5	.030	.76	.52	13.21	.71	18.03	.82	20.83	260	1157	9.8	249
27857	28857	6	.030	.76	.59	14.99	.78	19.81	.89	22.61	310	1379	10.7	272
27858	28858	7	.030	.76	.59	14.99	.78	19.81	.89	22.61	361	1606	10.7	272
27859	28859	8	.030	.76	.64	16.26	.83	21.08	.94	23.88	415	1846	11.3	287
27860	28860	10	.030	.76	.75	19.05	1.01	25.65	1.12	28.45	520	2313	13.4	340
27861	28861	12	.030	.76	.77	19.56	1.03	26.16	1.14	28.96	619	2753	13.7	348
27862	28862	15	.030	.76	.87	22.10	1.13	28.70	1.25	31.75	718	3194	15.0	381
27863	28863	20	.030	.76	.96	24.38	1.22	30.99	1.33	33.78	1040	4626	15.9	404
27864	28864	25	.030	.76	1.04	26.42	1.30	33.02	1.42	36.07	1301	5787	17.0	432
27865	28865	30	.030	.76	1.15	29.21	1.41	35.81	1.53	38.86	1560	6939	18.3	465
27887	28887	40	.030	.76	1.20	30.48	1.54	39.12	1.67	42.42	2020	8985	20.0	508

CSA C22.2 #131

FT4 Flame Test, HAZ LOC

CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

Color Code: Use ICEA Table E2 with printed numbers.

Non-stocked items. Check length available for specific construction. Minimum order may apply.

UL Control Cable

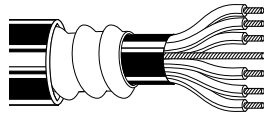
600V Teck-Style® Cables

Dual-Rated Type MC/Teck 90

Description	Part Number		No. of Cond.	Insulation Thickness		Inner Jacket OD		Armor OD		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
	Aluminum Armor	Steel Armor		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

10 AWG Stranded (7x18) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire**Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket**

NEC: MC



27866	28866	2	.030	.76	.46	11.68	.65	16.51	.74	18.80	166	738	9.1	231
27867	28867	3	.030	.76	.48	12.19	.67	17.02	.77	19.56	249	1108	9.4	239
27868	28868	4	.030	.76	.56	14.22	.75	19.05	.84	21.34	330	1468	10.3	262
27869	28869	5	.030	.76	.67	17.02	.86	21.84	.96	24.38	415	1846	11.6	295
27870	28870	6	.030	.76	.67	17.02	.86	21.84	.96	24.38	491	2184	11.6	295
27877	28877	7	.030	.76	.70	17.78	.90	22.86	1.00	25.40	560	2491	12.1	307
27878	28878	8	.030	.76	.75	19.05	.95	24.13	1.05	26.67	640	2847	12.7	323
27879	28879	10	.030	.76	.78	19.81	1.04	26.42	1.15	29.21	801	3563	13.8	351
27880	28880	12	.030	.76	.89	22.61	1.15	29.21	1.26	32.00	960	4270	15.1	384
27881	28881	15	.030	.76	.93	23.62	1.19	30.23	1.30	33.02	1195	5316	15.6	396
27882	28882	20	.030	.76	1.06	26.92	1.32	33.53	1.44	36.58	1600	7117	17.3	439
27883	28883	25	.030	.76	1.12	28.45	1.44	36.58	1.58	40.13	1990	8852	19.0	483
27884	28884	30	.030	.76	1.28	32.51	1.54	39.12	1.67	42.42	2355	10476	20.0	508

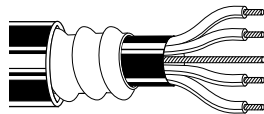
CSA C22.2 #131

FT4 Flame Test, 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 or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket**

NEC: MC

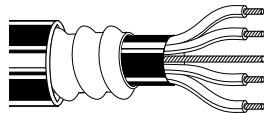


27871	28871	2	.045	1.14	.59	14.99	.78	19.81	.89	22.61	264	1174	10.7	272
27872	28872	3	.045	1.14	.62	15.75	.81	20.57	.91	23.11	396	1762	10.9	277
27873	28873	4	.045	1.14	.68	17.27	.94	23.88	1.05	26.67	528	2349	12.6	320

CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

6 AWG Stranded (7x14) Bare Copper Conductors • 8 AWG Bare Copper Ground Wire**Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket**

NEC: MC

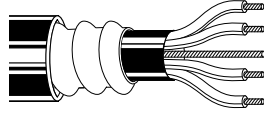


27874	28874	2	.060	1.52	.71	18.03	.97	24.64	1.08	27.43	420	1868	13.0	330
27875	28875	3	.060	1.52	.76	19.30	1.02	25.91	1.13	28.70	630	2802	13.5	343
27876	28876	4	.060	1.52	.88	22.35	1.14	28.96	1.25	31.75	840	3737	15.0	381

CSA C22.2 #131, FT4 Flame Test, 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 or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket**

NEC: MC

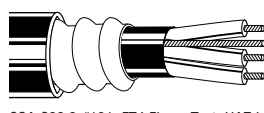


27894	28894	3	.060	1.52	.91	23.11	1.17	29.72	1.29	32.77	1002	4457	15.5	394
27895	28895	4	.060	1.52	.99	25.15	1.25	31.75	1.37	34.80	1335	5938	16.4	417

CSA C22.2 #131, FT4 Flame Test, 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 or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket**

NEC: MC



27896	28896	3	.060	1.52	.96	24.38	1.22	30.99	1.33	33.78	1263	5618	16.0	406
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CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

Color Code: For sizes 14, 12, 10, use ICEA Table E2 with printed numbers.

For sizes 8 and larger, use ICEA Method 4 with printed numbers.

Non-stocked items. Check length available for specific construction. Minimum order may apply.

UL Control Cable

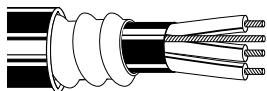
600V Teck-Style® Cables

Dual-Rated Type MC/Teck 90

Description	Part Number		No. of Cond.	Insulation Thickness		Inner Jacket OD		Armor OD		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
	Aluminum Armor	Steel Armor		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

2 AWG Stranded (7x10) Bare Copper Conductors • 6 AWG Bare Copper Ground Wire**Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket**

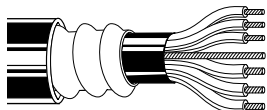
NEC: MC	27888	28888	3	.060	1.52	1.08	27.43	1.28	32.51	1.40	35.56	1593	7086	16.8	427
	27889	28889	4	.060	1.52	1.12	28.45	1.38	35.05	1.50	38.10	2124	9448	18.0	457



CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

Composite 14 AWG (7x22) and **12 AWG** (7x20) Bare Copper Conductors • 12 AWG Bare Copper Ground Wire**Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket**

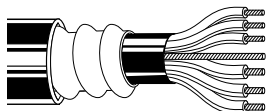
NEC: MC	27890	28890	3c/14	.030	.76	.56	14.22	.75	19.05	.86	21.84	202	899	10.3	262
			3c/12	.030	.76										



CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

Composite 14 AWG (7x22) and **10 AWG** (7x18) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire**Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket**

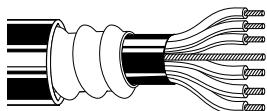
NEC: MC	27891	28891	3c/14	.030	.76	.61	15.49	.80	20.32	.91	23.11	305	1357	10.9	277
			3c/10	.030	.76										



CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

Composite 14 AWG (7x22) and **8 AWG** (7x16) Bare Copper Conductors • 10 AWG Bare Copper Ground Wire**Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket**

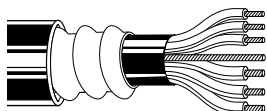
NEC: MC	27892	28892	3c/14	.045	1.14	.70	17.78	.96	24.38	1.07	27.18	435	1935	12.8	325
			3c/8	.030	.76										



CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

Composite 14 AWG (7x22) and **6 AWG** (7x14) Bare Copper Conductors • 8 AWG Bare Copper Ground Wire**Aluminum or Steel Armor • Cross-linked Polyethylene Insulation • PVC Inner Jacket • PVC Outer Jacket**

NEC: MC	27893	28893	3c/14	.060	1.52	.90	22.86	1.15	29.21	1.26	32.00	655	2914	15.1	384
			3c/6	.030	.76										



CSA C22.2 #131, FT4 Flame Test, HAZ LOC, CSA C22.2 #0.3 Clause 4.31 Low Acid Gas

Color Code: For sizes 14, 12, 10, use ICEA Table E2 with printed numbers.

For sizes 8 and larger, use ICEA Method 4 with printed numbers.

Non-stocked items. Check length available for specific construction. Minimum order may apply.