

CSA Safe-T-Ground, Single Conductor, 1000 V

Tray Grounding cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, direct burial, raceways and for concealed wiring in wet, damp or dry locations in -40°C (-40°F) environments. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Jacket:

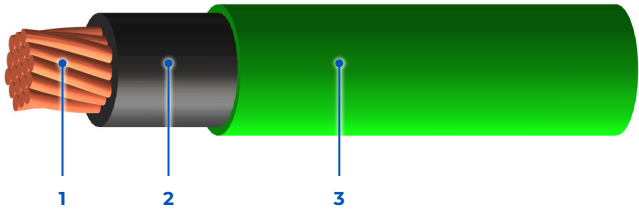
- FR PVC outer green jacket rated: 90°C to -40°C

Available in:

- Custom insulation/ jacket colours
- Aluminum conductors
- Solid green or green dual yellow SAFE-T-STRIPES for instrumentation/isolated grounding identification

Certification/Compliances

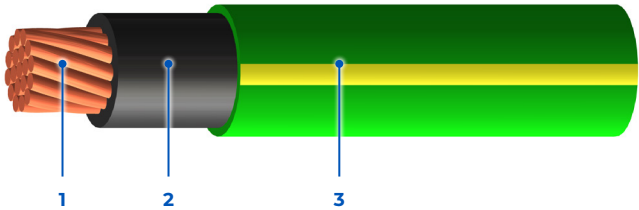
- CSA C22.2 No. 230, Tray cables †
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant “SUN RES” (all colours)
- Oil resistant “PR I” and “OIL RES”, †
- Direct burial rated†
- -40°C cold bend/ impact rated



Green Conductor

- 1 – Stranded Bare (ASTM B8) Annealed Copper Conductors

- 2 – XLPE (RW90 Rated) Insulated Conductor
- 3 – FR PVC Outer Green Protective jacket



Safe-T-Stripes Conductor

- 1 – Stranded Bare (ASTM B8) Annealed Copper Conductors

- 2 – XLPE (RW90 Rated) Insulated Conductor
- 3 – FR PVC Outer Green with Dual Yellow SAFE-T-STRIPES Protective Jacket

- Rated for use in hazardous locations †:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)

Colour Coding

- Black conductor (standard)

1000 V

Voltage
(Optional:
600, 2000 V)

CSA Type RW90 TC

Grounding

† Type TC, OILRES, Direct Burial rating, and referenced hazardous locations usage are only applicable to conductor sizes 1/0 AWG and larger.

CSA Safe-T-Ground Single Conductor, 1000 V

Green Conductor

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG or kcmil	in. mm	lb 1000ft kg km	30°C ambient	lb kg	in. mm
4D010M08010G000	1	8	0.307 7.8	82 122	80	132 60	2.8 70
4D010M06010G000	1	6	0.374 9.5	126 188	105	210 95	3.4 85
4D010M04010G000	1	4	0.421 10.7	182 271	140	334 151	3.8 96
4D010M03010G000	1	3	0.448 11.4	221 329	165	421 191	4.0 102
4D010M02010G000	1	2	0.479 12.2	269 400	190	531 241	4.3 109
4D010M01014G000	1	1	0.588 14.9	364 542	220	670 304	5.3 134
4D010M1/014G000	1	1/0	0.628 16.0	443 659	260	845 383	5.7 144
4D010M2/014G000	1	2/0	0.671 17.0	539 803	300	1065 483	6.0 153
4D010M3/014G000	1	3/0	0.722 18.3	661 984	350	1336 606	6.5 165
4D010M4/014G000	1	4/0	0.778 19.8	0.778 19.8	405	1693 768	7.0 178
4D010M25016G000	1	250	0.884 22.5	0.884 22.5	455	2000 907	8.0 202
4D010M35016G000	1	350	0.987 25.1	0.987 25.1	570	2800 1270	8.9 226
4D010M50016G000	1	500	1.115 28.3	1.115 28.3	700	4000 1814	10.0 255
4D010M75016G000	1	750	1.294 32.0	1.294 32.0	885	6000 2722	11.6 296

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 25th Edition), Table 1.

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Safe-T-Stripes Conductor

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG or kcmil	in. mm	lb 1000ft kg km	30°C ambient	lb kg	in. mm
4D010M08010G00Y	1	8	0.307 7.8	82 123	80	132 60	2.8 70
4D010M06010G00Y	1	6	0.374 9.5	126 188	105	210 95	3.4 85
4D010M04010G00Y	1	4	0.421 10.7	183 272	140	334 151	3.8 96
4D010M03010G00Y	1	3	0.448 11.4	221 329	165	421 191	4.0 102
4D010M02010G00Y	1	2	0.479 12.2	269 401	190	531 241	4.3 109
4D010M01014G00Y	1	1	0.588 14.9	365 543	220	670 304	5.3 134
4D010M1/014G00Y	1	1/0	0.628 16.0	443 659	260	845 383	5.7 144
4D010M2/014G00Y	1	2/0	0.671 17.0	540 804	300	1065 483	6.0 153
4D010M3/014G00Y	1	3/0	0.722 18.3	662 985	350	1336 606	6.5 165
4D010M4/014G00Y	1	4/0	0.778 19.8	813 1210	405	1693 768	7.0 178
4D010M25016G00Y	1	250	0.884 22.5	976 1452	455	2000 907	8.0 202
4D010M35016G00Y	1	350	0.987 25.1	1317 1960	570	2800 1270	8.9 226
4D010M50016G00Y	1	500	1.115 28.3	1821 2709	700	4000 1814	10.0 255
4D010M75016G00Y	1	750	1.294 32.9	2652 3946	885	6000 2722	11.6 296

*Ampacity value based on Canadian Electrical Code, Part 1 (2021 25th Edition), Table 1.