

## 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 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 |

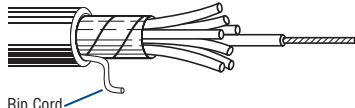
| No. of Cond. | Part Numbers      |       |                     |       |                     |       |                     |       |                     |       |
|--------------|-------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
|              | 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  
CSA C22.2#0.3, Clause 4.31 Low Acid Gas  
FT4 Flame Test



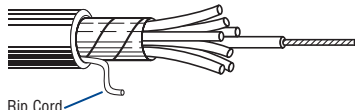
Rip Cord

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

|       |    |     |     |      |     |      |      |      |       |
|-------|----|-----|-----|------|-----|------|------|------|-------|
| 22100 | 2  | 62  | 92  | .030 | .76 | .045 | 1.14 | .367 | 9.32  |
| 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 |

**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  
CSA C22.2#0.3, Clause 4.31 Low Acid Gas  
FT4 Flame Test



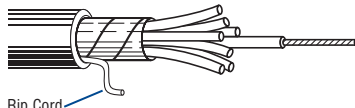
Rip Cord

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

|       |    |     |     |      |     |      |      |      |       |
|-------|----|-----|-----|------|-----|------|------|------|-------|
| 22120 | 2  | 82  | 122 | .030 | .76 | .045 | 1.14 | .405 | 10.29 |
| 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 |

**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  
CSA C22.2#0.3, Clause 4.31 Low Acid Gas  
FT4 Flame Test



Rip Cord

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

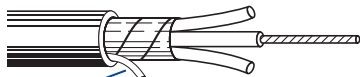
|       |    |     |      |      |     |      |      |       |       |
|-------|----|-----|------|------|-----|------|------|-------|-------|
| 22140 | 2  | 148 | 220  | .030 | .76 | .045 | 1.14 | .736  | 18.69 |
| 22141 | 3  | 189 | 281  | .030 | .76 | .045 | 1.14 | .763  | 19.38 |
| 22142 | 4  | 248 | 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 |

**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 | <b>22161</b> | 3 | 308 | 458 | .045 | 1.14 | .060 | 1.52 | .898 | 22.81 |
| FT4 Flame Test                          | <b>22162</b> | 4 | 379 | 564 | .045 | 1.14 | .060 | 1.52 | .957 | 24.31 |



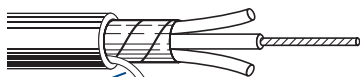
Rip Cord

-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 | <b>22171</b> | 3 | 383 | 570 | .060 | 1.52 | .060 | 1.52 | .756 | 19.20 |
| FT4 Flame Test                          |              |   |     |     |      |      |      |      |      |       |



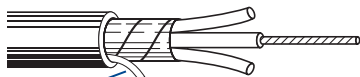
Rip Cord

-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 | <b>22181</b> | 3 | 580 | 863 | .060 | 1.52 | .080 | 2.03 | .891 | 22.63 |
| FT4 Flame Test                          |              |   |     |     |      |      |      |      |      |       |



Rip Cord

-25°C Installed

-40°C to +90°C (Dry) (75°C Wet)

## 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.

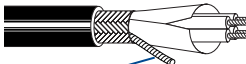
#### Large AWG (1 to 4/0) with Copper Tape Shield, Symmetrical Design

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 |
|-------------|-------------|-----|-----------|--------|
|-------------|-------------|-----|-----------|--------|

**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

|                                                                                   |              |    |   |                                                             |
|-----------------------------------------------------------------------------------|--------------|----|---|-------------------------------------------------------------|
| <b>1000V CSA TC</b>                                                               | <b>29550</b> | 14 | 7 | Beldfoil<br>(100% Coverage)<br>+ TC Braid<br>(85% Coverage) |
| FT4                                                                               | <b>29551</b> | 12 | 7 |                                                             |
| RW90 Circuit Conductors                                                           | <b>29552</b> | 10 | 7 |                                                             |
|  | <b>29553</b> | 8  | 7 |                                                             |
|                                                                                   | <b>29554</b> | 6  | 7 |                                                             |
|                                                                                   | <b>29555</b> | 4  | 7 |                                                             |
|                                                                                   | <b>29556</b> | 2  | 7 |                                                             |

**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

|                                                                                   |              |     |    |                            |
|-----------------------------------------------------------------------------------|--------------|-----|----|----------------------------|
| <b>1000V CSA TC</b>                                                               | <b>29557</b> | 1   | 19 | (2) Spiral<br>Copper Tapes |
| FT4                                                                               | <b>29558</b> | 1/0 | 19 |                            |
| XHHW-2 Circuit Conductors                                                         | <b>29559</b> | 2/0 | 19 |                            |
|  | <b>29560</b> | 3/0 | 19 |                            |
|                                                                                   | <b>29561</b> | 4/0 | 19 |                            |

Products listed are subject to minimum order quantities.