Powering Forward

SAVING TIME, REDUCING COSTS AND INCREASING EFFICIENCY

We are One Company dedicated to empowering our customers through expert service and support, delivering significant cost savings through quick and easy access to a full range of in-stock quality wire and cable at a competitive price, logistical efficiencies that provide product tracking and hassle-free delivery, and a competitive advantage with industry-relevant solutions. As your all-in supplier for everything from cord, datacom, electronics and fiber to building wire, industrial and specialty cable, General Cable puts its people, products and programs to work for you.

WORLD-CLASS SALES SERVICE & TECHNICAL SUPPORT

Uniquely positioned to respond to the evolving needs of industrial applications, General Cable works side-by-side with customers to design innovative, cost-effective solutions that meet exact specifications while providing value-added services. Backed by an organization that is flexible and responsive with a commitment to maintaining lasting customer relationships, you can count on General Cable for superior service and support.

CUSTOMER SERVICE

We are dedicated to customer service and satisfaction – so call our team of professionally trained sales personnel at 888.593.3355 with any questions to meet your application needs, or visit our website at www.generalcable.com

Check out General Cable’s Calculation & Catalogs Apps and other mobile tools

Interactive Catalog Tool
North American Catalogs App
Voltage Drop Calculator
Ampacity Calculator
Conduit Fill Calculator
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## Multi-Conductor, Low-Voltage Power Cables

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## Single Conductor, Medium-Voltage Cables

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## Multi-Conductor, Medium-Voltage Cables

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Single-Conductor, Low-Voltage Cables

Type THHN/THWN-2
High Speed 600 V, CT Rated

Cable design: One bare solid or stranded copper conductor with combination PVC/nylon insulation

Temperature Rating:
- 90°C dry, 75°C wet (10 AWG and smaller)
- 90°C wet, 90°C dry (8 AWG and larger)

Conductor Size Range: 14 AWG thru 750 kcmil

Industry Listings or Approvals: UL Listed as 600 V Type THHN/THWN-2 (8 AWG and larger) and THHN/THWN (10 AWG and smaller) per UL 83, c(UL) Type T90
- Gas- and oil-resistant
- Meets flame testing requirements of UL 1581 VW-1 for sizes 1 AWG and smaller
- Sizes 1/0 AWG and larger are marked sunlight-resistant (black only) and for CT use
- RoHS Compliant
- High Speed low friction technology for easy cable pulling

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<tr>
<th>SPEC NUMBER</th>
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<th>NYLON INSULATION (MILS)</th>
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<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

(1) Allowable ampacities shown are for general use as specified by the National Electric Code, 2011 Edition, Section 310.15(B)(16).
Adjustments and corrections may apply:
- 90°C – wet or dry locations. For ampacity derating purposes.
- Dwelling – For dwelling units, conductors shall be permitted as listed ampacities at 120/240-volt, 3-wire, single-phase services and feeders.

Type XHHW-2
High Speed 600 V, CT Rated

Cable design: One bare stranded copper conductor with XLPE insulation

Temperature Rating: 90°C wet, 90°C dry

Conductor Size Range: 14 AWG thru 750 kcmil

Industry Listings or Approvals: UL Listed as 600 V Type XHHW-2 per UL 44
- Sizes 1/0 AWG and larger are marked sunlight-resistant (black only) and for CT use
- RoHS Compliant
- High Speed low friction technology for easy cable pulling

<table>
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Dimensions and weights are nominal; subject to industry tolerances.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
Single-Conductor, Low-Voltage Cables

GenFree® II High Speed
600 V (XLPO), Type XHHW-2

Cable design: One tinned stranded copper conductor with LSZH XLPO insulation
Temperature Rating: 90°C wet, 90°C dry
Conductor Size Range: 14 AWG to 750 kmcil
Industry Listings or Approvals: UL Listed as 600 V Type XHHW-2-LSHF per UL 44
• c(UL) Type RW90 • Meets flame testing requirements of IEEE 1202/CSA FT4 and UL1581 VW-1 (10 AWG and larger) • Marked sunlight-resistant • Sizes 1/0 AWG and larger are marked for CT use • RoHS Compliant • High Speed low friction technology for easy cable pulling

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>APPROX. O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

Unicon® High Speed
600 V, Type RHH/RHW-2 or USE-2

Cable design: One bare stranded copper conductor with XLPE insulation
Temperature Rating: 90°C wet, 90°C dry
Conductor Size Range: 14 AWG to 750 kmcil
Industry Listings or Approvals: UL Listed as 600 V Type RHH/RHW-2 per UL 44 and 600 V • Type USE-2 per UL 854 • Meets flame testing requirements of IEEE 1202/CSA FT4 and UL 1581 VW-1 • Marked sunlight-resistant • Sizes 1/0 AWG and larger are marked for CT use • RoHS Compliant • High Speed low friction technology for easy cable pulling

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>APPROX. O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS PER 1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
Single-Conductor, Low-Voltage Cables

DuraSheath® High Speed
600 V (EPR/XL-CPE), Type RHH/RHW-2 or USE-2

Cable design: One tinned stranded copper conductor with composite EPR/XL-CPE insulation
Temperature Rating: 90˚C wet, 90˚C dry
Conductor Size Range: 14 AWG thru 750 kmcil
Industry Listings or Approvals: UL Listed as 600 V Type RHH/RHW-2 per UL 44 and 600 V Type USE-2 per UL 854 • Met meets flame testing requirements of IEEE 1202/CSA FT4 and UL 1581 VW-1 • Marked sunlight-resistant • Sizes 1/0 AWG and larger are marked for CT use • RoHS Compliant • High Speed low friction technology for easy cable pulling

SPEC 5050

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<th>OUTER INSULATION (MILS)</th>
<th>APPROX. O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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<td>65</td>
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Dimensions and weights are nominal; subject to industry tolerances.

GenFree® II High Speed
600 V (XLPO/XLPO), Type RHH/RHW-2-LSZH or USE-2

Cable design: One tinned stranded copper conductor with composite LSZH XLPO/LSZH/XLPO insulation
Temperature Rating: 90˚C wet, 90˚C dry
Conductor Size Range: 14 AWG thru 750 kmcil
Industry Listings or Approvals: UL Listed as 600 V Type RHH/RHW-2-LSZH per UL 44 and 600 V Type USE-2 per UL 854 • Meets flame testing requirements of IEEE 1202/CSA FT4 and UL 1581 VW-1 • Marked sunlight-resistant • Sizes 1/0 AWG and larger are marked for CT use • RoHS Compliant • High Speed low friction technology for easy cable pulling

SPEC 5075

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<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
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<th>OUTER INSULATION (MILS)</th>
<th>APPROX. O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Note: All sizes from 14 AWG thru 4/0 AWG are stocked in green.
Dimensions and weights are nominal; subject to industry tolerances.
\* Not available with VW-1 rating.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
Multi-Conductor, Low-Voltage Instrumentation Cables

CHTC® 600 V (XLPE/XL-CPE), Overall Shield (OAS) Instrumentation, Type TC

Cable design: Stranded tinned copper conductors insulated with XLPE insulation, pairs or triad configuration, Method 1 color coding, with individual and/or overall aluminum/mylar shield, tinned copper drain wire, overall XL-CPE jacket

Temperature Rating: 90˚C wet, 90˚C dry
Conductor Size Range: 18 and 16 AWG

Industry Listings or Approvals: UL Listed as 600 V Type TC per UL 1277 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Marked sunlight-resistant • RoHS Compliant

<table>
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<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NUMBER OF PAIRS/TRIADS</th>
<th>SHIELD TYPE</th>
<th>DRAIN WIRE SIZE (AWG)</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>NOMINAL JACKET THICKNESS (MILS)</th>
<th>APPROX. O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

FREP® 600 V (EPR/CPE), Overall Shield (OAS) Instrumentation, Type TC
FREP® 600 V (EPR/CPE), Individual and Overall Shield (IOAS) Instrumentation, Type TC

Cable design: Stranded tinned copper conductors insulated with EPR insulation, pairs or triad configuration, Method 1 color coding, with individual and/or overall aluminum/mylar shield as required, tinned copper drain wire, overall CPE jacket

Temperature Rating: 90˚C wet, 90˚C dry
Conductor Size Range: 18 and 16 AWG (Spec 2100 - OAS; Spec 2150 - IOAS)

Industry Listings or Approvals: UL Listed as 600 V Type TC per UL 1277 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Marked direct burial and sunlight-resistant • RoHS Compliant

<table>
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<th>NUMBER OF PAIRS/TRIADS</th>
<th>SHIELD TYPE</th>
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Dimensions and weights are nominal; subject to industry tolerances.
Multi-Conductor, Low-Voltage Instrumentation Cables

CCW® 600 V, Armored Overall Shield (OAS) Instrumentation
CCW® 600 V, Armored Individual and Overall Shield (IOAS) Instrumentation, Type MC-HL

**Cable design:** Stranded bare copper conductors insulated with PVC/nylon, pairs or triad configuration, Method 1 color coding, with overall aluminum/mylar shield, tinned copper drain wire, continuously corrugated and welded (CCW) armor, overall PVC jacket

**Temperature Rating:** 90°C

**Conductor Size Range:** 16 AWG (Spec 9325 - OAS; Spec 9350 – IOAS)

**Industry Listings or Approvals:** UL Listed as 600 V Type MC-HL per UL 1569 for Class 1 Div. 1 hazardous locations • ABS listed for CWCMC • Marine shipboard cable per UL 1309 • Direct burial • Meets flame testing requirements of IEEE 1202, CSA FT4, UL 1581 and IEC 60332-3 • RoHS Compliant

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<th>DRAIN WIRE SIZE (AWG)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
Multi-Conductor, Low-Voltage Control Cables

**VNTO® 600 V (PVC/Nylon/PVC), Type TC-ER** (18 AWG thru 10 AWG)

**Cable design:** Two or more tinned stranded copper conductors insulated with PVC/nylon with overall PVC jacket

**Temperature Rating:** 90˚C wet, 75˚C dry

**Conductor Size Range:**
- 18 AWG and 16 AWG (Spec 4600)
- 14 AWG to 10 AWG (Spec 4650)

**Industry Listings or Approvals:**
- UL Listed as 600 V Type TC-ER per UL 1277
- Conductors listed as TFN per UL 66 and THHN/THWN per UL 83
- Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4
- Marked direct burial and sunlight-resistant
- Rated for exposed run in accordance with NEC guidelines
- RoHS Compliant

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Dimensions and weights are nominal; subject to industry tolerances.

*Approved as TYPE TC-ER for Exposed Run applications of 3 or more conductors as defined by NEC.*
Multi-Conductor, Low-Voltage Control Cables

CVTC® 600 V (XLPE/PVC), Type TC-ER1

Cable design: Two or more bare stranded copper conductors insulated with XLPE with overall PVC jacket
Temperature Rating: 90°C wet, 90°C dry
Conductor Size Range: 14 AWG to 10 AWG
Industry Listings or Approvals: UL Listed as 600 V Type TC-ER per UL 1277 • Conductors listed as XHHW-2 per UL 44 and meet flame requirements of UL 1581 VW-1 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Marked direct burial and sunlight-resistant • Rated for exposed run in accordance with NEC guidelines • RoHS Compliant

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<th>CATALOG NUMBER</th>
<th>COND. SIZE (STRAND.)</th>
<th>NUMBER OF COND.</th>
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Dimensions and weights are nominal; subject to industry tolerances.
1 Approved as TYPE TC-ER for Exposed Run applications of 3 or more conductors as defined by NEC.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
FREP® 600 V (EPR/CPE), Type TC-ER¹ (E1 & E2 Color Code)

Cable design: Two or more tinned stranded copper conductors insulated with EPR with overall CPE jacket  

Temperature Rating: 90°C wet, 90°C dry  
Conductor Size Range: 14 AWG to 10 AWG (Spec 4300 – E2; Spec 4310 – E1)  

Industry Listings or Approvals: UL Listed as 600 V Type TC-ER per UL 1277 • Conductors listed as XHHW-2 per UL 44 and meet flame requirements of UL 1581 VW-1 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Marked direct burial and sunlight-resistant • Rated for exposed run in accordance with NEC guidelines • RoHS Compliant

SPEC NUMBER | CATALOG NUMBER | COND. SIZE (STRAND.) | NUMBER OF COND. | COND. COLOR CODING | NOM. INSULATION (MILS) | NOM. JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT)
--- | --- | --- | --- | --- | --- | --- | --- | ---
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4310 | 280550 | 14 (7W) | 2 Flat | E1 | 30 | 45 | .365 x .230 | 61
4300 | 280100 | 14 (7W) | 3 E2 | 30 | 45 | .390 | 92
4310 | 280200 | 14 (7W) | 3 E1 | 30 | 45 | .390 | 92
4300 | 280230 | 14 (7W) | 4 E2 | 30 | 45 | .425 | 115
4310 | 280240 | 14 (7W) | 4 E1 | 30 | 45 | .425 | 115
4300 | 279870 | 14 (7W) | 5 E2 | 30 | 45 | .465 | 139
4310 | 280250 | 14 (7W) | 5 E1 | 30 | 45 | .465 | 139
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4310 | 280260 | 14 (7W) | 7 E1 | 30 | 45 | .505 | 173
4300 | 280210 | 14 (7W) | 9 E2 | 30 | 60 | .620 | 240
4310 | 280270 | 14 (7W) | 9 E1 | 30 | 60 | .620 | 240
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4310 | 280280 | 14 (7W) | 12 E1 | 30 | 60 | .700 | 301
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4310 | 280290 | 14 (7W) | 19 E1 | 30 | 60 | .815 | 468
4300 | 279590 | 14 (7W) | 25 E2 | 30 | 80 | .935 | 624
4310 | 279600 | 14 (7W) | 37 E2 | 30 | 80 | 1.110 | 875
4300 | 279840 | 12 (7W) | 2 Flat | E2 | 30 | 45 | .400 x .245 | 82
4310 | 279850 | 12 (7W) | 2 Flat | E1 | 30 | 45 | .400 x .245 | 82
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4310 | 280360 | 12 (7W) | 3 E1 | 30 | 45 | .435 | 124
4300 | 280170 | 12 (7W) | 3WG E2 | 30 | 45 | .435 | 148
4310 | 280310 | 12 (7W) | 4 E2 | 30 | 45 | .475 | 157
4310 | 279910 | 12 (7W) | 4 E1 | 30 | 45 | .475 | 157
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4310 | 280370 | 12 (7W) | 5 E1 | 30 | 45 | .520 | 191
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4300 | 280330 | 12 (7W) | 9 E2 | 30 | 60 | .695 | 337
4310 | 280340 | 12 (7W) | 9 E1 | 30 | 60 | .695 | 337
4300 | 279610 | 12 (7W) | 19 E2 | 30 | 80 | .940 | 688
4310 | 301870 | 12 (7W) | 19 E1 | 30 | 80 | 1.240 | 1240
4300 | 279570 | 10 (7W) | 2 Flat | E2 | 30 | 45 | .445 x .270 | 113
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4300 | 279520 | 10 (7W) | 3 E1 | 30 | 45 | .485 | 172
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4300 | 279650 | 10 (7W) | 12 E2 | 30 | 80 | .905 | 651

Dimensions and weights are nominal; subject to industry tolerances.  
¹ Approved as TYPE TC-ER for Exposed Run applications of 3 or more conductors as defined by NEC.
**Multi-Conductor, Low-Voltage Control Cables**

**CHTC® 600 V (XLPE/XL-CPE), Type TC**

**Cable design:** Two or more tinned stranded copper conductors insulated with XLPE with overall XL-CPE jacket

**Temperature Rating:** 90°C wet, 90°C dry

**Conductor Size Range:** 14 AWG to 10 AWG

**Industry Listings or Approvals:** UL Listed as 600 V Type TC-ER per UL 1277 • Conductors listed as XHHW-2 per UL 44 and meet flame requirements of UL 1581 VW-1 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Marked direct burial and sunlight-resistant • RoHS Compliant

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<th>NUMBER OF COND.</th>
<th>COND. COLOR CODING</th>
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Dimensions and weights are nominal; subject to industry tolerances.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
GenFree® 600 V (XLPE/LSZH), Type TC-ER-LS¹

Cable design: Two or more tinned stranded copper conductors insulated with XLPE with overall LSZH jacket

Temperature Rating: 90°C wet, 90°C dry

Conductor Size Range: 14 AWG to 10 AWG

Industry Listings or Approvals: UL Listed as 600 V Type TC-ER-LS per UL 1277 • Conductors listed as XHHW-2 per UL 44 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Rated for exposed run in accordance with NEC guidelines • Marked direct burial and sunlight-resistant • RoHS Compliant

Duralox® 600 V, UL Type MC

Cable design: Two or more bare stranded copper conductors insulated with XLPE, cabled with applicably sized bare copper ground wire, aluminum interlocked armor with overall PVC jacket

Temperature Rating: 90°C

Conductor Size Range: 14 AWG to 10 AWG

Industry Listings or Approvals: UL Listed as 600 V Type MC per UL 1569 • Conductors listed as XHHW-2 per UL 44 • Meets flame testing requirements of UL 1581 and IEEE 1202/CSA FT4 • Marked sunlight-resistant, direct burial and for CT use • RoHS Compliant
Multi-Conductor, Low-Voltage Control Cables

TECK90 600 V (14 AWG, 12 AWG, 10 AWG), CSA, Type HL

**Cable design:** Two or more bare stranded copper conductors insulated with XLPE, cabled with applicably sized bare copper ground wire, inner PVC jacket, aluminum interlocked armor with overall PVC jacket

**Temperature Rating:** 90˚C

**Conductor Size Range:** 14 AWG to 10 AWG

*SPEC 8025 – 14 AWG; Spec 8050 – 12 AWG; Spec 8075 – 10 AWG*

**Industry Listings or Approvals:** TECK90 per CSA Standard C22.2 No. 131 and 174 • CSA HL rating for installation in hazardous locations per CEC • Marked direct burial and sunlight-resistant • Meets -40˚C CSA cold impact requirements and flame testing requirement of CSA FT1/FT4 and IEEE 1202 • RoHS Compliant

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### SPEC 8025

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Dimensions and weights are nominal; subject to industry tolerances.

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### SPEC 8050

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Dimensions and weights are nominal; subject to industry tolerances.

Note: Standard cables with up to and including six (6) conductors are also marked CSA Type RA90. All others are special order.

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Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
Multi-Conductor, Low-Voltage Power Cables

VNTC® 600 V (PVC/Nylon/PVC), Type TC-ER

Cable design: Three or four bare stranded copper conductors insulated with PVC/nylon cabled with applicably sized bare copper ground wire with overall PVC jacket

Temperature Rating: 90°C wet, 75°C dry

Conductor Size Range: 12 AWG to 500 kcmil

Industry Listings or Approvals: UL Listed as 600 V Type TC-ER per UL 1277 • Conductors listed as THHN/THWN per UL 83 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Rated for exposed run in accordance with NEC guidelines • Marked direct burial and sunlight-resistant • RoHS Compliant

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NUMBER OF Conductors</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>CONDUCTOR COLOR CODING</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>NOMINAL JACKET THICKNESS (MILS)</th>
<th>APPROX. O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

CVTC® 600 V (XLPE/PVC), Type TC-ER

Cable design: Three or four bare stranded copper conductors insulated with XLPE cabled with applicably sized bare copper ground wire with overall PVC jacket

Temperature Rating: 90°C wet, 90°C dry

Conductor Size Range: 8 AWG to 500 kcmil

Industry Listings or Approvals: UL Listed as 600 V Type TC-ER per UL 1277 • Conductors listed as XHHW-2 per UL 44 and meet flame requirements of UL 1685 and IEEE 1202/CSA FT4, Rated for exposed run in accordance with NEC guidelines • Marked direct burial and sunlight-resistant • RoHS Compliant

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NUMBER OF Conductors</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>CONDUCTOR COLOR CODING</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>NOMINAL JACKET THICKNESS (MILS)</th>
<th>APPROX. O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
Multi-Conductor, Low-Voltage Power Cables

FREP® 600 V (EPR/CPE), Type TC-ER

Cable design: Three or four tinned stranded copper conductors insulated with EPR cabled with applicably sized tinned copper ground wire with overall CPE jacket
Temperature Rating: 90˚C wet, 90˚C dry
Conductor Size Range: 8 AWG to 500 kcmil

Industry Listings or Approvals: UL Listed as 600 V Type TC-ER per UL 1277 • Conductors listed as XHHW-2 per UL 44 and meet flame requirements of UL 1581 VW-1 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Marked direct burial and sunlight-resistant • Rated for exposed run in accordance with NEC guidelines • RoHS Compliant

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NUMBER OF CONDUCTORS</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>CONDUCTOR COLOR CODING</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>NOMINAL JACKET THICKNESS (MILS)</th>
<th>APPROX. O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

CHTC® 600 V (XLPE/XL-CPE), Type TC-ER

Cable design: Three tinned stranded copper conductors insulated with XLPE cabled with applicably sized tinned copper ground wire with overall XL-CPE jacket
Temperature Rating: 90˚C wet, 90˚C dry
Conductor Size Range: 8 AWG to 2 AWG

Industry Listings or Approvals: UL Listed as 600 V Type TC-ER per UL 1277 • Conductors listed as XHHW-2 per UL 44 and meet flame requirements of UL 1581 VW-1 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Marked direct burial and sunlight-resistant • Rated for exposed run in accordance with NEC guidelines • RoHS Compliant

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NUMBER OF CONDUCTORS</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>CONDUCTOR COLOR CODING</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>NOMINAL JACKET THICKNESS (MILS)</th>
<th>APPROX. O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
Multi-Conductor, Low-Voltage Power Cables

GenFree® 600 V (XLPE/LSZH), Type TC-ER-LS

Cable design: Three or four tinned stranded copper conductors insulated with XLPE cabled with applicably sized tinned copper ground wire with overall LSZH jacket

Temperature Rating: 90°C wet, 90°C dry

Conductor Size Range: 6 AWG to 4/0 AWG

Industry Listings or Approvals: UL Listed as 600 V Type TC-ER-LS per UL 1277 • Conductors listed as XHHW-2 per UL 44 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Marked direct burial and sunlight-resistant • Rated for exposed run in accordance with NEC guidelines • RoHS Compliant

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NUMBER OF CONDUCTORS</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>CONDUCTOR COLOR CODING</th>
<th>NOMINAL INSULATION (MILS)</th>
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<th>APPROX. O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

CVTC® 600 V (XLPE/PVC), VFD, Type TC-ER or 1000 V UL Flexible Motor Supply

Cable design: Three tinned stranded copper conductors insulated with black XLPE insulation, one fully sized green/yellow grounding conductor, applicable sized tinned copper ground and drain wire(s), overall combination aluminum/mylar shield and 85% tinned copper braid, overall PVC jacket

Temperature Rating: 90°C wet, 90°C dry

Conductor Size Range: 16 AWG to 2 AWG

Industry Listings or Approvals: UL Listed as 600 V Type TC-ER per UL 1277 • 1000 V flexible motor supply cable per UL 2227 and 1000 V WTTC • Conductors listed as RHH/RHW-2 per UL 44 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Marked sunlight-resistant • Rated for exposed run in accordance with NEC guidelines • RoHS Compliant

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NUMBER OF CONDUCTORS</th>
<th>INSULATED GROUND WIRE SIZE (AWG)</th>
<th>DRAIN WIRE (NUMBER AND SIZE)</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>NOMINAL JACKET THICKNESS (MILS)</th>
<th>APPROX. O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.
CVTC® 600 V (XLPE/PVC), VFD, Type TC-ER or 1000 V UL Flexible Motor Supply

Cable design: Three tinned stranded copper conductors insulated with black XLPE insulation, three symmetrical bare copper ground wires, dual 2 mil copper tapes providing 100% coverage, overall PVC jacket

Temperature Rating: 90˚C wet, 90˚C dry

Conductor Size Range: 1/0 AWG to 4/0 AWG

Industry Listings or Approvals: UL Listed as 600 V Type TC-ER per UL 1277 • 1000 V flexible motor supply cable per UL 2227 and 1000 V WTTC • Conductors listed as RHH/RHW-2 per UL 44 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Marked sunlight-resistant • Rated for exposed run in accordance with NEC guidelines • RoHS Compliant

CVTC® 2000 V (XLPE/PVC), VFD, Type TC-ER

Cable design: Three bare stranded copper conductors insulated with black XLPE insulation with 3 symmetrical bare copper ground wires, 5 mil bare copper tape with 50% overlap, overall PVC jacket

Temperature Rating: 90˚C wet, 90˚C dry

Conductor Size Range: 14 AWG to 500 kcmil

Industry Listings or Approvals: UL Listed as 2000 V Type TC-ER per UL 1277 • Conductors listed as RHH/RHW-2 per UL 44 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Marked direct burial and sunlight-resistant • Rated for exposed run in accordance with NEC guidelines • RoHS Compliant

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Multi-Conductor, Low-Voltage Power Cables

Duralox® 600 V, UL Type MC

**Cable design:** Three or four bare stranded copper conductors insulated with XLPE, cabled with applicably sized bare copper ground wire(s), aluminum interlocked armor with PVC jacket

**Temperature Rating:** 90˚C

**Conductor Size Range:** 8 AWG to 500 kcmil

**Conductor Size Range:** (cont’d.):

(Spec 7100 – 8 AWG thru 4/0 AWG; Spec 7150 – 250 kcmil thru 500 kcmil; Spec 7160 – 500 kcmil enhanced ground)

**Industry Listings or Approvals:** UL Listed as 600 V Type MC per UL 1569 • Conductors listed as XHHW-2 per UL 44 • Meets flame testing requirements of UL 1581 and IEEE 1202/CSA FT4 • Marked sunlight-resistant, direct burial and for CT use • RoHS Compliant

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Dimensions and weights are nominal; subject to industry tolerances.

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Multi-Conductor, Low-Voltage Power Cables

TECK90 (1/C) 1000 V, CSA, Type HL

Cable design: One stranded bare copper conductor insulated with XLPE with applicably sized helically applied bonding (ground) wires, inner PVC jacket, aluminum interlocked armor with overall PVC jacket

Temperature Rating: 90˚C

Conductor Size Range: 250 kcmil to 750 kcmil

Industry Listings or Approvals: TECK90 per CSA Standard C22.2 No. 131 and 174 • CSA HL rating for installation in hazardous locations per CEC • Marked direct burial and sunlight-resistant • Meets -40˚C CSA cold impact requirements and flame testing requirement of CSA FT1/FT4 and IEEE 1202 • RoHS Compliant

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Dimensions and weights are nominal; subject to industry tolerances.

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TECK90 (3/C) 1000 V, CSA, Type HL

Cable design: Three stranded bare copper conductors insulated with XLPE, cabled with an applicably sized bare copper ground wire, inner PVC jacket, aluminum interlocked armor with overall PVC jacket

Temperature Rating: 90˚C

Conductor Size Range: 12 AWG to 750 kcmil

Industry Listings or Approvals: TECK90 per CSA Standard C22.2 No. 131 and 174 • CSA HL rating for installation in hazardous locations per CEC • Marked direct burial and sunlight-resistant • Meets -40˚C CSA cold impact requirements and flame testing requirement of CSA FT1/FT4 and IEEE 1202 • RoHS Compliant

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**Multi-Conductor, Low-Voltage Power Cables**

**TECK90 (4/C) 1000 V, CSA, Type HL**

*Cable design:* Four stranded bare copper conductors insulated with XLPE, cabled with an applicably sized bare copper ground wire, inner PVC jacket, aluminum interlocked armor with overall PVC jacket.

*Temperature Rating:* 90°C

*Conductor Size Range:* 8 AWG to 750 kcmil

*Industry Listings or Approvals:* TECK90 per CSA Standard C22.2 No. 131 and 174 • CSA HL rating for installation in hazardous locations per CEC • Marked direct burial and sunlight-resistant • Meets -40°C CSA cold impact requirements and flame testing requirement of CSA FT1/FT4 and IEEE 1202 • RoHS Compliant

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Dimensions and weights are nominal; subject to industry tolerances.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
Multi-Conductor, Low-Voltage Power Cables

CCW® 600 V, UL Type MC-HL, CSA Type HL

Cable design: Three or four bare stranded copper conductors insulated with XLPE, cabled with applicably sized bare copper grounding conductors, continuously corrugated and welded (CCW) armor with overall PVC jacket

Temperature Rating: 90˚C

Conductor Size Range: 14 AWG to 500 kcmil

Industry Listings or Approvals: UL Listed as 600 V Type MC-HL per UL 1569 for Class 1 Div. 1 hazardous locations • Conductors listed as XHHW-2 per UL 44 • ABS listed for CWCMC • Marine shipboard cable per UL 1309 • CSA Type HL per CSA 22.2 No. 174 • Direct burial • Meets flame testing requirements of IEEE 1202, CSA FT4, UL 1581 and IEC 60332-3 • Suitable for VFD installations • RoHS Compliant

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>COND. SIZE (STRANDING)</th>
<th>NUMBER OF COND.</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>NOMINAL DIAMETER OVER CONDUCTORS (INCHES)</th>
<th>NOMINAL DIAMETER OVER ARMOR (INCHES)</th>
<th>NOMINAL JACKET THICKNESS (MILS)</th>
<th>APPROX. D. (INCHES)</th>
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Dimensions and weights are nominal; subject to industry tolerances.
Note: Three (3) conductors, 6 AWG and smaller are also marked CSA Type RA90. One (1) AWG and larger are also marked CSA Type RA90.
Single Conductor, Medium-Voltage Cables

DuraSheath® High Speed 2.4 kV, UL Type MV-90

Cable design: One compact bare stranded copper conductor, extruded semi-conducting conductor shield, EPR insulation, overall XL-CPE jacket

Temperature Rating: 90˚C

Conductor Size Range: 6 AWG to 750 kcmil

Industry Listings or Approvals: UL Listed as Type MV-90 per UL 1072
- Meets flame testing requirements of IEEE 1202/CSA FT4
- Sizes 1/0 AWG and larger are marked for CT use
- RoHS Compliant
- High Speed low friction technology for easy cable pulling

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>NOMINAL O.D. OVER INSULATION (INCHES)</th>
<th>JACKET THICKNESS (MILS)</th>
<th>APPROX. CABLE O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

Uniblend® PVC High Speed 5 kV 133%/8 kV 100% Insulation Levels, UL Type MV-105

Cable design: One compact bare stranded copper conductor, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, overall low friction PVC jacket

Temperature Rating: 105˚C

Conductor Size Range: 6 AWG to 1000 kcmil

Industry Listings or Approvals: UL Listed as Type MV-105 per UL 1072
- Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4
- Marked sunlight-resistant
- Sizes 1/0 AWG and larger are marked for CT use
- Suitable for direct burial when installed with an applicably sized ground wire in close proximity in accordance with the National Electrical Code
- RoHS Compliant
- High Speed low friction technology for easy cable pulling

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>MINIMUM O.D. OVER INSULATION (INCHES)</th>
<th>MAXIMUM O.D. OVER INSULATION (INCHES)</th>
<th>JACKET THICKNESS (MILS)</th>
<th>APPROX. CABLE O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

Note: a) Sizes smaller than 1/0 AWG do not include “FOR CT USE”.

b) The NESC Lightning bolt symbol is on all Uniblend® constructions.
Single Conductor, Medium-Voltage Cables

Uniblend® CPE High Speed 5 kV 133%/8 kV 100% Insulation Levels, UL Type MV-105

Cable design: One compact bare stranded copper conductor, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, overall low friction CPE jacket

Temperature Rating: 105°C

Conductor Size Range: 6 AWG to 1000 kcmil

Industry Listings or Approvals: UL Listed as Type MV-105 per UL 1072
- Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4
- Marked sunlight-resistant • Sizes 1/0 AWG and larger are marked for CT use • Suitable for direct burial when installed with an applicably sized ground wire in close proximity in accordance with the National Electrical Code • RoHS Compliant • High Speed low friction technology for easy cable pulling

Dimensions and weights are nominal; subject to industry tolerances.

Note: a) Sizes smaller than 1/0 AWG do not include “FOR CT USE”.
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

GenFree® Uniblend® LSZH High Speed 5 kV 133%/8 kV 100% Ins. Levels, UL Type MV-105 ST1

Cable design: One compact bare stranded copper conductor, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, overall low friction LSZH jacket

Temperature Rating: 105°C

Conductor Size Range: 2 AWG to 750 kcmil

Industry Listings or Approvals: UL Listed as Type MV-105 ST1 per UL 1072 • Meets flame and smoke testing requirements of UL 1685 and flame testing requirements of IEEE 1202/CSA FT4 • Marked sunlight-resistant • Sizes 1/0 AWG and larger are marked for CT use • Suitable for direct burial when installed with an applicably sized ground wire in close proximity in accordance with the National Electrical Code • RoHS Compliant • High Speed low friction technology for easy cable pulling

Dimensions and weights are nominal; subject to industry tolerances.

Note: a) Sizes smaller than 1/0 AWG do not include “FOR CT USE”.
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
Uniblend® PVC High Speed 15 kV, 133% Insulation Level, UL Type MV-105

Cable design: One compact bare stranded copper conductor, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, overall low friction PVC jacket

Temperature Rating: 105˚C

Conductor Size Range: 2 AWG to 1000 kcmil

Industry Listings or Approvals: UL Listed as Type MV-105 per UL 1072
- Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4
- Marked sunlight-resistant • Sizes 1/0 AWG and larger are marked for CT use • Suitable for direct burial when installed with an applicably sized ground wire in close proximity in accordance with the National Electrical Code • RoHS Compliant • High Speed low friction technology for easy cable pulling

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>MINIMUM O.D. OVER INSULATION (INCHES)</th>
<th>MAXIMUM O.D. OVER INSULATION (INCHES)</th>
<th>JACKET THICKNESS (MILS)</th>
<th>APPROX. CABLE O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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</table>

Dimensions and weights are nominal; subject to industry tolerances.
Note: a) Sizes smaller than 1/0 AWG do not include “FOR CT USE”.
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

Aluminum Uniblend® PVC High Speed 15 kV, 133% Insulation Level, UL Type MV-105

Cable design: One compact bare stranded aluminum conductor, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, overall low friction PVC jacket

Temperature Rating: 105˚C

Conductor Size Range: 1/0 AWG to 1000 kcmil

Industry Listings or Approvals: UL Listed as Type MV-105 per UL 1072
- Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4
- Marked sunlight-resistant • Sizes 1/0 AWG and larger are marked for CT use • Suitable for direct burial when installed with an applicably sized ground wire in close proximity in accordance with the National Electrical Code • RoHS Compliant • High Speed low friction technology for easy cable pulling

<table>
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<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>MINIMUM O.D. OVER INSULATION (INCHES)</th>
<th>MAXIMUM O.D. OVER INSULATION (INCHES)</th>
<th>JACKET THICKNESS (MILS)</th>
<th>APPROX. CABLE O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.
Note: a) Sizes smaller than 1/0 AWG do not include “FOR CT USE”.
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
Single Conductor, Medium-Voltage Cables

Uniblend® CPE High Speed 15 kV, 133% Insulation Level, UL Type MV-105

Cable design: One compact bare stranded copper conductor, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, overall low friction CPE jacket

Temperature Rating: 105˚C

Conductor Size Range: 2 AWG to 1000 kcmil

Industry Listings or Approvals: UL Listed as Type MV-105 per UL 1072
• Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4
• Marked sunlight-resistant • Sizes 1/0 AWG and larger are marked for CT use • Suitable for direct burial when installed with an applicable sized ground wire in close proximity in accordance with the National Electrical Code • RoHS Compliant • High Speed low friction technology for easy cable pulling

GenFree® Uniblend® LSZH High Speed 15 kV, 133% Insulation Level, UL Type MV-105 ST1

Cable design: One compact bare stranded copper conductor, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, overall low friction LSZH jacket

Temperature Rating: 105˚C

Conductor Size Range: 2 AWG to 750 kcmil

Industry Listings or Approvals: UL Listed as Type MV-105 ST1 per UL 1072 • Meets flame and smoke testing requirements of UL 1685 and flame testing requirements of IEEE 1202/CSA FT4 • Marked sunlight-resistant • Sizes 1/0 AWG and larger are marked for CT use • Suitable for direct burial when installed with an applicable sized ground wire in close proximity in accordance with the National Electrical Code • RoHS Compliant • High Speed low friction technology for easy cable pulling

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
### Single Conductor, Medium-Voltage Cables

#### Uniblend® PVC High Speed 25 kV 133%/35 kV 100% Insulation Levels, UL Type MV-105

**Cable design:** One compact bare stranded copper conductor, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, overall low friction PVC jacket

**Temperature Rating:** 105°C

**Conductor Size Range:** 1/0 AWG to 750 kcmil

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<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
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<th>MINIMUM O.D. OVER INSULATION (INCHES)</th>
<th>MAXIMUM O.D. OVER INSULATION (INCHES)</th>
<th>JACKET THICKNESS (MILS)</th>
<th>APPROX. CABLE O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

Note: a) Sizes smaller than 1/0 AWG do not include “FOR CT USE”.

b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

#### Uniblend® CPE High Speed 25 kV 133%/35 kV 100% Insulation Levels, UL Type MV-105

**Cable design:** One compact bare stranded copper conductor, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, overall low friction CPE jacket

**Temperature Rating:** 105°C

**Conductor Size Range:** 1/0 AWG to 750 kcmil

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<th>MAXIMUM O.D. OVER INSULATION (INCHES)</th>
<th>JACKET THICKNESS (MILS)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

Note: a) Sizes smaller than 1/0 AWG do not include “FOR CT USE”.

b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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Phone: 888-593-3355  
www.generalcable.com  

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
Aluminum Uniblend® PVC High Speed 25 kV 133%/35 kV 100% Ins. Levels, UL Type MV-105

Cable design: One compact bare stranded aluminum conductor, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, overall low friction PVC jacket

Temperature Rating: 105˚C

Conductor Size Range: 4/0 AWG to 1000 kcmil

Industry Listings or Approvals: UL Listed as Type MV-105 per UL 1072
- Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4
- Marked sunlight-resistant • Sizes 1/0 AWG and larger are marked for CT use • Suitable for direct burial when installed with an applicable sized ground wire in close proximity in accordance with the National Electrical Code • RoHS Compliant • High Speed low friction technology for easy cable pulling

<table>
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<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>MINIMUM O.D. OVER INSULATION (INCHES)</th>
<th>MAXIMUM O.D. OVER INSULATION (INCHES)</th>
<th>JACKET THICKNESS (MILS)</th>
<th>APPROX. CABLE O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.
Note: a) Sizes smaller than 1/0 AWG do not include “FOR CT USE”
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

Uniblend® PVC High Speed 35 kV, 133% Ins. Level, UL Type MV-105

Cable design: One compact bare stranded copper conductor, extruded semi-conducting conductor shield, Lead Free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, overall low friction PVC jacket

Temperature Rating: 105˚C

Conductor Size Range: 4/0 AWG to 750 kcmil

Industry Listings or Approvals: UL Listed as Type MV-105 per UL 1072
- Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4
- Marked sunlight-resistant • Sizes 1/0 AWG and larger are marked for CT use • Suitable for direct burial when installed with an applicable sized ground wire in close proximity in accordance with the National Electrical Code • RoHS Compliant • High Speed low friction technology for easy cable pulling

<table>
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<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>MINIMUM O.D. OVER INSULATION (INCHES)</th>
<th>MAXIMUM O.D. OVER INSULATION (INCHES)</th>
<th>JACKET THICKNESS (MILS)</th>
<th>APPROX. CABLE O.D. (INCHES)</th>
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Dimensions and weights are nominal; subject to industry tolerances.
Note: a) Sizes smaller than 1/0 AWG do not include “FOR CT USE”
b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
**Multi-Conductor, Medium-Voltage Cables**

### Uniblend® PVC High Speed 3/C 5 kV 133%/8 kV 100% Insulation Levels, UL Type MV-105

**Cable design:** Three compact bare stranded copper conductors, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, cabled with applicable sized bare copper ground wire, overall low friction PVC jacket

**Temperature Rating:** 105°C

**Conductor Size Range:** 6 AWG to 500 kcmil

**Industry Listings or Approvals:** UL Listed as Type MV-105 per UL 1072 standard • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Marked for direct burial, sunlight-resistant and for CT use • RoHS Compliant • High Speed low friction technology for easy cable pulling

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### Uniblend® PVC High Speed 3/C 15 kV, 133% Insulation Level, UL Type MV-105

**Cable design:** Three compact bare stranded copper conductors, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, cabled with applicable sized bare copper ground wire, overall low friction PVC jacket

**Temperature Rating:** 105°C

**Conductor Size Range:** 2 AWG to 500 kcmil

**Industry Listings or Approvals:** UL Listed as Type MV-105 per UL 1072 standard • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Marked for direct burial, sunlight-resistant and for CT use • RoHS Compliant • High Speed low friction technology for easy cable pulling

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**SPEC 6255**

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<th>MAXIMUM NOMINAL O.D. OVER INSULATION (INCHES)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

Note: 
- a) All sizes are “FOR CT USE”.
- b) The NESC Lightning bolt symbol is on all Uniblend® constructions.

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**SPEC 6455**

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<th>MAXIMUM NOMINAL O.D. OVER INSULATION (INCHES)</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>JACKET THICKNESS (MILS)</th>
<th>APPROX. CABLE O.D. (INCHES)</th>
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<td>1.19</td>
<td>1.28</td>
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<td>140</td>
<td>3.21</td>
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</tbody>
</table>

Dimensions and weights are nominal; subject to industry tolerances.

Note: 
- a) All sizes are “FOR CT USE”.
- b) The NESC Lightning bolt symbol is on all Uniblend® constructions.
## Multi-Conductor, Medium-Voltage Cables

**SPEC 7200**

### Duralox® 3/C 2400 V, UL Type MC or Type MV-90

**Cable design:** Three compact bare stranded copper conductors, extruded semi-conducting conductor shield, EPR insulation, cabled with applicably sized bare copper ground wire, aluminum interlocked armor with overall PVC jacket

**Temperature Rating:** 90˚C

**Conductor Size Range:** 6 AWG to 500 kcmil

**Industry Listings or Approvals:** UL Listed as Type MC per UL 1569 and Type MV-90 per UL 1072 standards • Meets flame testing requirements of UL 1581 and IEEE 1202/CSA FT4 • Marked sunlight-resistant, direct burial and for CT use

### SPEC 7200

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>CONDUCTOR SIZE (STRANDING)</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>NOMINAL DIAMETER OVER ARMOR (INCHES)</th>
<th>JACKET THICKNESS (MILS)</th>
<th>APPROX. CABLE O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

### TECK90 5000 V Unshielded, CSA, Type HL

**Cable design:** Three compact stranded copper conductors, semi-conductive strand shield, XLPE insulation, cabled with an applicably sized bare copper ground wire, inner PVC jacket, aluminum interlocked armor with overall PVC jacket

**Temperature Rating:** 90˚C

**Conductor Size Range:** 6 AWG to 750 kcmil

**Industry Listings or Approvals:** TECK90 per CSA Standard C22.2 No. 131 and 174 • CSA HL rating for installation in hazardous locations per CEC • Marked direct burial and sunlight-resistant • Meets -40˚C CSA cold impact requirements and flame testing requirement of CSA FT1/FT4 and IEEE 1202 • RoHS Compliant

### SPEC 8250

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<th>NUMBER OF COND.</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>NOMINAL INSULATION THICKNESS (MILS)</th>
<th>NOMINAL DIAMETER OVER INSULATION (INCHES)</th>
<th>NOMINAL DIAMETER OVER ARMOR (INCHES)</th>
<th>NOMINAL DIAMETER OVER JACKET (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
<th>APPROX. NET WEIGHT (KG PER KM)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

Data and stock status subject to change without notice. If more comprehensive information is required on any referenced product, please refer to our full line Industrial catalog at: http://gcna.us/catalogs/IndustrialCable.
Multi-Conductor, Medium-Voltage Cables

**Duralox® 3/C 5 kV 133%/8 kV 100% Insulation Levels, UL Type MC or Type MV-105**

**Cable Design:** Three compact bare stranded copper conductors, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, cabled with applicable sized bare copper ground wire, aluminum interlocked armor with overall PVC jacket

**Temperature Rating:** 105°C

**Conductor Size Range:** 2 AWG to 500 kcmil

**Industry Listings or Approvals:** UL Listed as Type MC per UL 1569 and Type MV-105 per UL 1072 standards • Meets flame testing requirements of UL 1581 and IEEE 1202/CSA FT4 • Marked sunlight-resistant, direct burial and for CT use • RoHS Compliant

<table>
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<th>CATALOG NUMBER</th>
<th>COND. SIZE (STRANDING)</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>MINIMUM O.D. OVER INSULATION (INCHES)</th>
<th>MAXIMUM O.D. OVER INSULATION (INCHES)</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>NOMINAL DIAMETER OVER ARMOR (INCHES)</th>
<th>JACKET THICKNESS (MILS)</th>
<th>APPROX. CABLE O.D. (INCHES)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

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**Duralox® 3/C 15 kV, 133% Insulation Level, UL Type MC or Type MV-105**

**Cable Design:** Three compact bare stranded copper conductors, extruded semi-conducting conductor shield, lead free EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, cabled with applicable sized bare copper ground wire, aluminum interlocked armor with overall PVC jacket

**Temperature Rating:** 105°C

**Conductor Size Range:** 2 AWG to 500 kcmil

**Industry Listings or Approvals:** UL Listed as Type MC per UL 1569 and Type MV-105 per UL 1072 standards • Meets flame testing requirements of UL 1581 and IEEE 1202/CSA FT4 • Marked sunlight-resistant, direct burial and for CT use • RoHS Compliant

<table>
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<th>CATALOG NUMBER</th>
<th>COND. SIZE (STRANDING)</th>
<th>NOMINAL INSULATION (MILS)</th>
<th>MINIMUM O.D. OVER INSULATION (INCHES)</th>
<th>MAXIMUM O.D. OVER INSULATION (INCHES)</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>NOMINAL DIAMETER OVER ARMOR (INCHES)</th>
<th>JACKET THICKNESS (MILS)</th>
<th>APPROX. CABLE O.D. (INCHES)</th>
<th>APPROX. NET WEIGHT (LBS/1000 FT)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

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Multi-Conductor, Medium-Voltage Cables

CCW® 3/C 5 kV 133%/8 kV 100% Ins. Levels, UL Type MC-HL or Type MV-105, VFD, CSA Type HL

**Cable design:** Three compact bare stranded copper conductors, extruded semi-conducting conductor shield, EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, cabled with 3 symmetrical bare copper grounding wires, continuously corrugated and welded (CCW) armor with overall PVC jacket

**Temperature Rating:** 105°C

**Conductor Size Range:** 2 AWG to 500 kcmil

**Industry Listings or Approvals:** UL Listed as 5/8 kV Type MC-HL per UL 1569 for Class 1 Div. 1 hazardous locations and Type MV-105 per UL 1072 • ABS listed for CWCMC • Marine shipboard cable per UL 1309, CSA Type HL per C68.10 • Direct burial • Meets flame testing requirements of IEEE 1202, CSA FT4, UL 1581 and IEC 60332-3 • Suitable for VFD application • RoHS Compliant

<table>
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<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
<th>COND. SIZE (STRANDING)</th>
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<th>NOMINAL INSULATION (MILS)</th>
<th>NOMINAL O.D. OVER INSULATION (INCHES)</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>NOMINAL DIAMETER OVER CORE (INCHES)</th>
<th>NOMINAL DIAMETER OVER ARMOR (INCHES)</th>
<th>JACKET THICKNESS (MILS)</th>
<th>APPROX. CABLE O.D. (INCHES)</th>
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Dimensions and weights are nominal; subject to industry tolerances.

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CCW® 3/C 15 kV, 133% Insulation Level, UL Type MC-HL or Type MV-105, CSA Type HL

**Cable design:** Three compact bare stranded copper conductors, extruded semi-conducting conductor shield, EPR insulation, extruded semi-conducting insulation shield, 5 mil bare copper shield tape with 25% minimum overlap, cabled with 3 symmetrical bare copper grounding wires, continuously corrugated and welded (CCW) armor with overall PVC jacket

**Temperature Rating:** 105°C

**Conductor Size Range:** 2 AWG to 500 kcmil

**Industry Listings or Approvals:** UL Listed as 15 kV Type MC-HL per UL 1569 for Class 1 Div. 1 hazardous locations • ABS listed for CWCMC • Marine shipboard cable per UL 1309, CSA Type HL per C68.10 • Direct burial • Meets flame testing requirements of IEEE 1202, CSA FT4, UL 1581 and IEC 60332-3 • Suitable for VFD application • RoHS Compliant

<table>
<thead>
<tr>
<th>SPEC NUMBER</th>
<th>CATALOG NUMBER</th>
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<th>NUMBER OF COND.</th>
<th>NOMINAL INSULATION (MILS)</th>
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<th>GROUND WIRE SIZE (AWG)</th>
<th>NOMINAL DIAMETER OVER CORE (INCHES)</th>
<th>NOMINAL DIAMETER OVER ARMOR (INCHES)</th>
<th>JACKET THICKNESS (MILS)</th>
<th>APPROX. CABLE O.D. (INCHES)</th>
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Dimensions and weights are nominal; subject to industry tolerances.
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Check out General Cable’s Calculation & Catalogs Apps and other mobile tools

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<td>Water/Wastewater, Power Generation, Pulp &amp; Paper</td>
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<td>Companies (ITOCs), Regional Bell</td>
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<tr>
<td></td>
<td>Products: Portable &amp; Temporary Power Cord,</td>
<td></td>
<td>Operating Companies (RBOCs)</td>
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<td></td>
<td>Instrumentation Cable, Control Cable, Power</td>
<td></td>
<td>Air Core Cable, Filled Core Cable, Wire</td>
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<tr>
<td></td>
<td>Cable, Automation Cable</td>
<td></td>
<td>Products, Central Office Cable</td>
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<tr>
<td>Military</td>
<td>On Land, At Sea, In the Air</td>
<td>Transportation</td>
<td>Automotive, Agricultural Equipment, Rail &amp; Transit, Heavy Duty &amp; Industrial Trucks, Bus</td>
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<tr>
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<td>Communications Wire &amp; Cable (Cu &amp; Fiber), Shore</td>
<td></td>
<td>Products: On-Vehicle Data Communications,</td>
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<td></td>
<td>to Ship Power Cable, Wire Harnesses &amp; Assemblies</td>
<td></td>
<td>Control &amp; Power Wire and Cable, Battery Cable, Primary Wire, Electric Vehicle (EV) Products, Wire Harnesses and Assemblies</td>
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