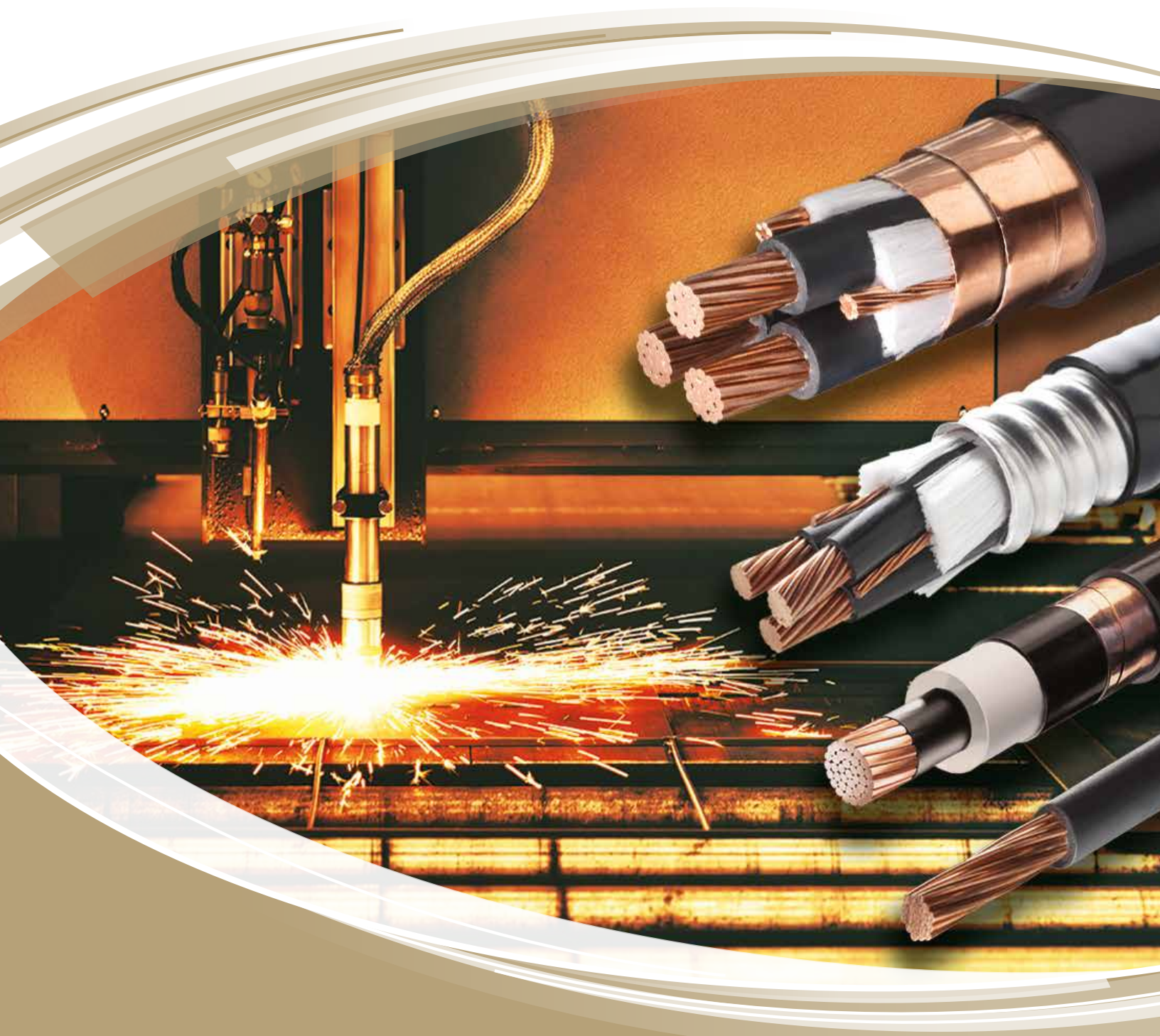




Industrial and Construction Cables

PRODUCT REFERENCE GUIDE



SEPTEMBER 2016

Industrial

Serving Industrial, Specialty and Commercial Applications

This Mini catalog contains key information on all standard stock items in our Industrial line of instrumentation, power and control cables.

The product information has been developed with an easy-to-use format. It features the latest information on industrial cable products, from cable design, temperature rating and conductor size range to detailed industry listings and approvals, and specification data.

Our products are readily available through our network of authorized stocking distributors and distribution centers.

For further information, contact General Cable's Customer Service staff or your local General Cable sales representative.



All information in this catalog is presented solely as a guide to product selection and is believed to be reliable. All printing errors are subject to correction in subsequent releases of this catalog. Although General Cable has taken precautions to ensure the accuracy of the product specifications at the time of publication, the specifications of all products contained are subject to change without notice.

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North American Catalogs App



Voltage Drop Calculator



Ampacity Calculator



Conduit Fill Calculator

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Single-Conductor, Low-Voltage Cables

SPEC 5290



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 kmcil

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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | PVC INSULATION (MILS) | NYLON INSULATION (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|-----------------------|-------------------------|-----------------------|----------------------------------|
| 5290 | 23014 | 14 Solid | 15 | 4 | 0.101 | 15 |
| 5290 | 23012 | 12 Solid | 15 | 4 | 0.120 | 23 |
| 5290 | 23010 | 10 Solid | 20 | 4 | 0.149 | 37 |
| 5290 | 24014 | 14 (7W) | 15 | 4 | 0.109 | 16 |
| 5290 | 24012 | 12 (7W) | 15 | 4 | 0.127 | 23 |
| 5290 | 24010 | 10 (7W) | 20 | 4 | 0.160 | 38 |
| 5290 | 25008 | 8 (19W) | 30 | 5 | 0.212 | 62 |
| 5290 | 25006 | 6 (19W) | 30 | 5 | 0.248 | 94 |
| 5290 | 25004 | 4 (19W) | 40 | 6 | 0.317 | 153 |
| 5290 | 25003 | 3 (19W) | 40 | 6 | 0.344 | 189 |
| 5290 | 25002 | 2 (19W) | 40 | 6 | 0.375 | 233 |
| 5290 | 25001 | 1 (19W) | 50 | 7 | 0.435 | 298 |
| 5290 | 26110 | 1/0 (19W) | 50 | 7 | 0.474 | 372 |
| 5290 | 26210 | 2/0 (19W) | 50 | 7 | 0.518 | 462 |
| 5290 | 26310 | 3/0 (19W) | 50 | 7 | 0.568 | 572 |
| 5290 | 26410 | 4/0 (19W) | 50 | 7 | 0.624 | 712 |
| 5290 | 27250 | 250 (37W) | 60 | 8 | 0.678 | 849 |
| 5290 | 27300 | 300 (37W) | 60 | 8 | 0.730 | 1010 |
| 5290 | 27350 | 350 (37W) | 60 | 8 | 0.777 | 1170 |
| 5290 | 27400 | 400 (37W) | 60 | 8 | 0.821 | 1330 |
| 5290 | 27500 | 500 (37W) | 60 | 8 | 0.902 | 1650 |
| 5290 | 27600 | 600 (61W) | 70 | 9 | 1.051 | 2019 |
| 5290 | 27750 | 750 (61W) | 70 | 9 | 1.156 | 2466 |

SPEC 5175



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 kmcil

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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|---------------------------|-----------------------|----------------------------------|
| 5175 | 391070 | 14 (7W) | 30 | 0.13 | 17 |
| 5175 | 391080 | 12 (7W) | 30 | 0.15 | 26 |
| 5175 | 391090 | 10 (7W) | 30 | 0.18 | 38 |
| 5175 | 5175.008 | 8 (7W) | 45 | 0.24 | 65 |
| 5175 | 5175.006 | 6 (7W) | 45 | 0.28 | 99 |
| 5175 | 5175.004 | 4 (7W) | 45 | 0.33 | 152 |
| 5175 | 5175.002 | 2 (7W) | 45 | 0.39 | 233 |
| 5175 | 5175.001 | 1 (19W) | 55 | 0.44 | 293 |
| 5175 | 5175.110 | 1/0 (19W) | 55 | 0.48 | 364 |
| 5175 | 5175.210 | 2/0 (19W) | 55 | 0.53 | 453 |
| 5175 | 5175.310 | 3/0 (19W) | 55 | 0.58 | 565 |
| 5175 | 5175.410 | 4/0 (19W) | 55 | 0.63 | 706 |
| 5175 | 5175.250 | 250 (37W) | 65 | 0.70 | 837 |
| 5175 | 5175.350 | 350 (37W) | 65 | 0.80 | 1157 |
| 5175 | 5175.500 | 500 (37W) | 65 | 0.93 | 1634 |
| 5175 | 5175.600 | 600 (61W) | 80 | 1.04 | 1972 |
| 5175 | 5175.750 | 750 (61W) | 80 | 1.15 | 2448 |

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.

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>.

General Cable

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

Single-Conductor, Low-Voltage Cables

SPEC 5125



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|---------------------------|-----------------------|----------------------------------|
| 5125 | 5125.014 | 14 (19W) | 30 | 0.13 | 17 |
| 5125 | 5125.012 | 12 (19W) | 30 | 0.15 | 26 |
| 5125 | 5125.010 | 10 (19W) | 30 | 0.18 | 38 |
| 5125 | 5125.008 | 8 (19W) | 45 | 0.24 | 65 |
| 5125 | 5125.006 | 6 (19W) | 45 | 0.28 | 99 |
| 5125 | 5125.004 | 4 (19W) | 45 | 0.33 | 152 |
| 5125 | 5125.002 | 2 (19W) | 45 | 0.39 | 233 |
| 5125 | 5125.001 | 1 (19W) | 55 | 0.44 | 293 |
| 5125 | 5125.110 | 1/0 (19W) | 55 | 0.48 | 364 |
| 5125 | 5125.210 | 2/0 (19W) | 55 | 0.53 | 453 |
| 5125 | 5125.310 | 3/0 (19W) | 55 | 0.58 | 565 |
| 5125 | 5125.410 | 4/0 (19W) | 55 | 0.63 | 706 |
| 5125 | 5125.250 | 250 (37W) | 65 | 0.70 | 837 |
| 5125 | 5125.350 | 350 (37W) | 65 | 0.80 | 1157 |
| 5125 | 5125.500 | 500 (37W) | 65 | 0.93 | 1634 |
| 5125 | 5125.600 | 600 (61W) | 80 | 1.04 | 1972 |
| 5125 | 5125.750 | 750 (61W) | 80 | 1.15 | 2448 |

Dimensions and weights are nominal; subject to industry tolerances.

SPEC 5250



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS PER 1000 FT) |
|-------------|----------------|----------------------------|---------------------------|-----------------------|--------------------------------------|
| 5250 | 364830 | 14 (7W) | 45 | 0.17 | 24 |
| 5250 | 364840 | 12 (7W) | 45 | 0.19 | 33 |
| 5250 | 364850 | 10 (7W) | 45 | 0.21 | 48 |
| 5250 | 16602.210800 | 8 (7W) | 60 | 0.27 | 78 |
| 5250 | 16602.210600 | 6 (7W) | 60 | 0.31 | 114 |
| 5250 | 16602.210400 | 4 (7W) | 60 | 0.36 | 169 |
| 5250 | 16602.210200 | 2 (7W) | 60 | 0.42 | 254 |
| 5250 | 16602.215100 | 1/0 (19W) | 80 | 0.53 | 403 |
| 5250 | 16602.215200 | 2/0 (19W) | 80 | 0.58 | 501 |
| 5250 | 16602.215400 | 4/0 (19W) | 80 | 0.69 | 760 |
| 5250 | 16602.216000 | 250 (37W) | 95 | 0.77 | 906 |
| 5250 | 16602.216200 | 350 (37W) | 95 | 0.87 | 1237 |
| 5250 | 16602.216500 | 500 (37W) | 95 | 1.00 | 1730 |
| 5250 | 16602.217000 | 750 (61W) | 110 | 1.22 | 2576 |

Dimensions and weights are nominal; subject to industry tolerances.

Single-Conductor, Low-Voltage Cables

SPEC 5050



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 • 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 NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | INNER INSULATION (MILS) | OUTER INSULATION (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|-------------------------|-------------------------|-----------------------|----------------------------------|
| 5050 | 14511.411405 | 14 (7W) | 30 | 15 | 0.17 | 24 |
| 5050 | 14511.411205 | 12 (7W) | 30 | 15 | 0.19 | 33 |
| 5050 | 14511.411005 | 10 (7W) | 30 | 15 | 0.21 | 48 |
| 5050 | 14511.410800 | 8 (7W) | 45 | 15 | 0.28 | 77 |
| 5050 | 14511.410600 | 6 (7W) | 45 | 30 | 0.35 | 122 |
| 5050 | 14511.410405 | 4 (7W) | 45 | 30 | 0.39 | 178 |
| 5050 | 14511.710205 | 2 (7W) | 45 | 30 | 0.46 | 265 |
| 5050 | 14511.715105 | 1/0 (19W) | 55 | 45 | 0.58 | 422 |
| 5050 | 14511.715205 | 2/0 (19W) | 55 | 45 | 0.63 | 518 |
| 5050 | 14511.715405 | 4/0 (19W) | 55 | 45 | 0.74 | 785 |
| 5050 | 14511.716005 | 250 (37W) | 65 | 65 | 0.85 | 960 |
| 5050 | 14511.716205 | 350 (37W) | 65 | 65 | 0.96 | 1299 |
| 5050 | 14511.716505 | 500 (37W) | 65 | 65 | 1.09 | 1803 |
| 5050 | 14511.717005 | 750 (61W) | 80 | 65 | 1.31 | 2664 |

Dimensions and weights are nominal; subject to industry tolerances.

SPEC 5075



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 85, c(UL) Type RW90 • Meets flame testing requirements of IEEE 1202/CSA FT4 and UL 1581 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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | INNER INSULATION (MILS) | OUTER INSULATION (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|-------------------------|-------------------------|-----------------------|----------------------------------|
| 5075 | 14711.411400† | 14 (7W) | 30 | 15 | 0.17 | 24 |
| 5075 | 14711.411200† | 12 (7W) | 30 | 15 | 0.19 | 33 |
| 5075 | 14711.411000 | 10 (7W) | 30 | 15 | 0.21 | 48 |
| 5075 | 14711.410800 | 8 (7W) | 45 | 15 | 0.28 | 77 |
| 5075 | 14711.410600 | 6 (7W) | 45 | 30 | 0.35 | 122 |
| 5075 | 14711.410400 | 4 (7W) | 45 | 30 | 0.39 | 178 |
| 5075 | 14711.710200 | 2 (7W) | 45 | 30 | 0.46 | 265 |
| 5075 | 14711.715100 | 1/0 (19W) | 55 | 45 | 0.58 | 422 |
| 5075 | 14711.715200 | 2/0 (19W) | 55 | 45 | 0.63 | 518 |
| 5075 | 14711.715405 | 4/0 (19W) | 55 | 45 | 0.74 | 785 |
| 5075 | 14711.716000 | 250 (37W) | 65 | 65 | 0.85 | 960 |
| 5075 | 14711.716205 | 350 (37W) | 65 | 65 | 0.96 | 1299 |
| 5075 | 14711.716500 | 500 (37W) | 65 | 65 | 1.09 | 1803 |
| 5075 | 14711.717000 | 750 (61W) | 80 | 65 | 1.31 | 2664 |

Note: All sizes from 14 AWG thro 4/0 AWG are stocked in green.
Dimensions and weights are nominal; subject to industry tolerances.
† Not available with VW-1 rating.

Multi-Conductor, Low-Voltage Instrumentation Cables

SPEC 2050



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF PAIRS/TRIADS | SHIELD TYPE | DRAIN WIRE SIZE (AWG) | NOMINAL INSULATION (MILS) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|------------------------|-------------|-----------------------|---------------------------|---------------------------------|-----------------------|----------------------------------|
| 2050 | 285150 | 18 (7W) | 1PR | OAS | 22 | 30 | 45 | 0.315 | 49 |
| 2050 | 240990 | 16 (7W) | 1PR | OAS | 22 | 30 | 45 | 0.345 | 61 |
| 2050 | 241510 | 16 (7W) | 1TR | OAS | 22 | 30 | 45 | 0.360 | 85 |

Dimensions and weights are nominal; subject to industry tolerances.

SPEC 2100
SPEC 2150

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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF PAIRS/TRIADS | SHIELD TYPE | DRAIN WIRE SIZE (AWG) | NOMINAL INSULATION (MILS) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|------------------------|-------------|-----------------------|---------------------------|---------------------------------|-----------------------|----------------------------------|
| 2150 | 279700 | 18 (7W) | 2PR | IOAS | 22 | 25 | 45 | 0.473 | 83 |
| 2150 | 279710 | 18 (7W) | 4PR | IOAS | 22 | 25 | 60 | 0.586 | 152 |
| 2100 | 314960 | 16 (7W) | 1PR | OAS | 22 | 25 | 45 | 0.320 | 52 |
| 2100 | 279690 | 16 (7W) | 1TR | OAS | 22 | 25 | 45 | 0.335 | 66 |
| 2100 | 280500 | 16 (7W) | 2PR | IOAS | 22 | 25 | 45 | 0.500 | 103 |
| 2100 | 280520 | 16 (7W) | 4PR | IOAS | 22 | 25 | 60 | 0.650 | 189 |
| 2100 | 280530 | 16 (7W) | 6PR | IOAS | 22 | 25 | 60 | 0.755 | 268 |
| 2100 | 280540 | 16 (7W) | 8PR | IOAS | 22 | 25 | 60 | 0.840 | 330 |
| 2100 | 279760 | 16 (7W) | 12PR | IOAS | 22 | 25 | 80 | 1.065 | 506 |

Dimensions and weights are nominal; subject to industry tolerances.



Phone: 888-593-3355
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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 Instrumentation Cables

SPEC 9325
SPEC 9350



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF PAIRS/TRIADS | SHIELD TYPE | DRAIN WIRE SIZE (AWG) | NOMINAL INSULATION (MILS) | NOMINAL INNER JACKET THICKNESS (MILS) | NOMINAL ARMOR O.D. (INCHES) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|------------------------|-------------|-----------------------|---------------------------|---------------------------------------|-----------------------------|---------------------------------|-----------------------|----------------------------------|
| 9325 | 9325.16010001 | 16 (7W) | 1PR | OAS | 16 | 19 | 60 | 0.53 | 50 | 0.64 | 185 |
| 9325 | 9325.16010002 | 16 (7W) | 1TR | OAS | 16 | 19 | 50 | 0.53 | 50 | 0.64 | 195 |
| 9350 | 9350.16020001 | 16 (7W) | 2PR | IOAS | 16 | 19 | 50 | 0.67 | 50 | 0.78 | 239 |
| 9350 | 9350.16040001 | 16 (7W) | 4PR | IOAS | 16 | 19 | 50 | 0.80 | 50 | 0.91 | 342 |
| 9350 | 9350.16040002 | 16 (7W) | 4TR | IOAS | 16 | 19 | 50 | 0.84 | 50 | 0.95 | 403 |
| 9350 | 9350.16080001 | 16 (7W) | 8PR | IOAS | 16 | 19 | 50 | 0.93 | 50 | 1.04 | 502 |
| 9350 | 9350.16120001 | 16 (7W) | 12PR | IOAS | 16 | 19 | 50 | 1.11 | 50 | 1.22 | 687 |
| 9350 | 9350.16240001 | 16 (7W) | 24PR | IOAS | 16 | 19 | 50 | 1.42 | 50 | 1.53 | 1140 |

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>.

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Multi-Conductor, Low-Voltage Control Cables

SPEC 4600
SPEC 4650



VNTC® 600 V (PVC/Nylon/ PVC), Type TC-ER¹ (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

| SPEC NUMBER | CATALOG NUMBER | COND. SIZE (STRAND.) | NUMBER OF COND. | COND. COLOR CODING | NOMINAL INSULATION (MILS) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------|-----------------|--------------------|---------------------------|---------------------------------|-----------------------|----------------------------------|
| 4600 | 236090 | 18 (7/W) | 2 Flat | E2 | 20 | 45 | .190 x .285 | 36 |
| 4600 | 245920 | 18 (7/W) | 3 | E2 | 20 | 45 | 0.285 | 46 |
| 4600 | 236100 | 18 (7/W) | 4 | E2 | 20 | 45 | 0.310 | 56 |
| 4600 | 244680 | 18 (7/W) | 5 | E2 | 20 | 45 | 0.335 | 65 |
| 4600 | 244660 | 18 (7/W) | 7 | E2 | 20 | 45 | 0.360 | 82 |
| 4600 | 236160 | 16 (7W) | 2 Flat | E2 | 20 | 45 | .200 x .310 | 42 |
| 4600 | 245580 | 16 (7W) | 2 | E2 | 20 | 45 | 0.300 | 50 |
| 4600 | 236170 | 16 (7W) | 3 | E2 | 20 | 45 | 0.315 | 60 |
| 4600 | 236180 | 16 (7W) | 4 | E2 | 20 | 45 | 0.340 | 74 |
| 4600 | 236190 | 16 (7W) | 5 | E2 | 20 | 45 | 0.370 | 97 |
| 4600 | 236210 | 16 (7W) | 7 | E2 | 20 | 45 | 0.400 | 111 |
| 4600 | 243640 | 16 (7W) | 9 | E2 | 20 | 45 | 0.460 | 141 |
| 4600 | 236240 | 16 (7W) | 12 | E2 | 20 | 45 | 0.505 | 178 |
| 4650 | 235040 | 14 (7W) | 2 Flat | E2 | 20 | 45 | .210 x .320 | 54 |
| 4650 | 235050 | 14 (7W) | 3 | E2 | 20 | 45 | 0.345 | 80 |
| 4650 | 235060 | 14 (7W) | 4 | E2 | 20 | 45 | 0.365 | 100 |
| 4650 | 235070 | 14 (7W) | 5 | E2 | 20 | 45 | 0.410 | 118 |
| 4650 | 235080 | 14 (7W) | 7 | E2 | 20 | 45 | 0.445 | 153 |
| 4650 | 235090 | 14 (7W) | 9 | E2 | 20 | 60 | 0.505 | 213 |
| 4650 | 235110 | 14 (7W) | 12 | E2 | 20 | 60 | 0.595 | 267 |
| 4650 | 234580 | 12 (7W) | 2 Flat | E2 | 20 | 45 | .225 x .360 | 74 |
| 4650 | 234590 | 12 (7W) | 3 | E2 | 20 | 45 | 0.385 | 131 |
| 4650 | 255090 | 12 (7W) | 3WG | E2 | 20 | 45 | 0.385 | 148 |
| 4650 | 277460 | 12 (7W) | 3BWG | E2 | 20 | 45 | 0.385 | 131 |
| 4650 | 234600 | 12 (7W) | 4 | E2 | 20 | 45 | 0.420 | 145 |
| 4650 | 226420 | 12 (7W) | 5 | E2 | 20 | 45 | 0.445 | 165 |
| 4650 | 234620 | 12 (7W) | 7 | E2 | 20 | 45 | 0.490 | 217 |
| 4650 | 226500 | 12 (7W) | 9 | E2 | 20 | 60 | 0.605 | 297 |
| 4650 | 234640 | 12 (7W) | 12 | E2 | 20 | 60 | 0.675 | 377 |
| 4650 | 236300 | 10 (7W) | 2 Flat | E2 | 26 | 45 | .260 x .425 | 108 |
| 4650 | 236310 | 10 (7W) | 3 | E2 | 26 | 45 | 0.450 | 191 |
| 4650 | 255080 | 10 (7W) | 3WG | E2 | 26 | 45 | 0.450 | 191 |
| 4650 | 236320 | 10 (7W) | 4 | E2 | 26 | 45 | 0.505 | 209 |
| 4650 | 236330 | 10 (7W) | 5 | E2 | 26 | 60 | 0.570 | 268 |
| 4650 | 236340 | 10 (7W) | 7 | E2 | 26 | 60 | 0.620 | 350 |

Dimensions and weights are nominal; subject to industry tolerances.

¹Approved as TYPE TC-ER for Exposed Run applications of 3 or more conductors as defined by NEC.

Multi-Conductor, Low-Voltage Control Cables

SPEC 4500



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

| SPEC NUMBER | CATALOG NUMBER | COND. SIZE (STRAND.) | NUMBER OF COND. | COND. COLOR CODING | NOMINAL INSULATION (MILS) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------|-----------------|--------------------|---------------------------|---------------------------------|-----------------------|----------------------------------|
| 4500 | 770460 | 14 (7/W) | 2 Flat | E2 | 30 | 45 | .235 x .370 | 62 |
| 4500 | 770530 | 14 (7/W) | 3 | E2 | 30 | 45 | 0.390 | 93 |
| 4500 | 770610 | 14 (7/W) | 4 | E2 | 30 | 45 | 0.425 | 116 |
| 4500 | 770420 | 14 (7/W) | 5 | E2 | 30 | 45 | 0.465 | 140 |
| 4500 | 770560 | 14 (7/W) | 7 | E2 | 30 | 45 | 0.590 | 176 |
| 4500 | 770540 | 14 (7/W) | 9 | E2 | 30 | 60 | 0.620 | 245 |
| 4500 | 770470 | 14 (7/W) | 12 | E2 | 30 | 60 | 0.680 | 302 |
| 4500 | 770550 | 14 (7/W) | 19 | E2 | 30 | 60 | 0.800 | 460 |
| 4500 | 770480 | 12 (7W) | 2 Flat | E2 | 30 | 45 | .245 x .400 | 86 |
| 4500 | 770570 | 12 (7W) | 3 | E2 | 30 | 45 | 0.435 | 125 |
| 4500 | 365720 | 12 (7W) | 3WG | E2 | 30 | 45 | 0.435 | 143 |
| 4500 | 770490 | 12 (7W) | 4 | E2 | 30 | 45 | 0.475 | 157 |
| 4500 | 770410 | 12 (7W) | 5 | E2 | 30 | 45 | 0.515 | 191 |
| 4500 | 770950 | 12 (7W) | 7 | E2 | 30 | 60 | 0.595 | 260 |
| 4500 | 770580 | 12 (7W) | 9 | E2 | 30 | 60 | 0.695 | 340 |
| 4500 | 770520 | 12 (7W) | 12 | E2 | 30 | 60 | 0.780 | 429 |
| 4500 | 770590 | 10 (7W) | 2 Flat | E2 | 30 | 45 | .290 x .480 | 114 |
| 4500 | 770600 | 10 (7W) | 3 | E2 | 30 | 45 | 0.485 | 173 |
| 4500 | 770670 | 10 (7W) | 3WG | E2 | 30 | 45 | 0.485 | 201 |
| 4500 | 770370 | 10 (7W) | 4 | E2 | 30 | 60 | 0.515 | 236 |
| 4500 | 770380 | 10 (7W) | 5 | E2 | 30 | 60 | 0.615 | 287 |
| 4500 | 770900 | 10 (7W) | 7 | E2 | 30 | 60 | 0.670 | 371 |
| 4500 | 770400 | 10 (7W) | 12 | E2 | 30 | 60 | 0.895 | 644 |

Dimensions and weights are nominal; subject to industry tolerances.

¹Approved as TYPE TC-ER for Exposed Run applications of 3 or more conductors as defined by NEC.

Multi-Conductor, Low-Voltage Control Cables

SPEC 4300
SPEC 4310



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) |
|-------------|----------------|----------------------|-----------------|--------------------|------------------------|------------------------------|-----------------------|----------------------------------|
| 4300 | 279560 | 14 (7W) | 2 Flat | E2 | 30 | 45 | .365 x .230 | 61 |
| 4310 | 280590 | 14 (7W) | 2 Flat | E1 | 30 | 45 | .365 x .230 | 61 |
| 4300 | 280180 | 14 (7W) | 3 | E2 | 30 | 45 | 0.390 | 92 |
| 4310 | 280230 | 14 (7W) | 3 | E1 | 30 | 45 | 0.390 | 92 |
| 4300 | 280190 | 14 (7W) | 4 | E2 | 30 | 45 | 0.425 | 115 |
| 4310 | 280240 | 14 (7W) | 4 | E1 | 30 | 45 | 0.425 | 115 |
| 4300 | 279870 | 14 (7W) | 5 | E2 | 30 | 45 | 0.465 | 139 |
| 4310 | 280250 | 14 (7W) | 5 | E1 | 30 | 45 | 0.465 | 139 |
| 4300 | 280200 | 14 (7W) | 7 | E2 | 30 | 45 | 0.505 | 173 |
| 4310 | 280260 | 14 (7W) | 7 | E1 | 30 | 45 | 0.505 | 173 |
| 4300 | 280210 | 14 (7W) | 9 | E2 | 30 | 60 | 0.620 | 240 |
| 4310 | 280270 | 14 (7W) | 9 | E1 | 30 | 60 | 0.620 | 240 |
| 4300 | 279880 | 14 (7W) | 12 | E2 | 30 | 60 | 0.700 | 301 |
| 4310 | 280280 | 14 (7W) | 12 | E1 | 30 | 60 | 0.700 | 301 |
| 4300 | 279580 | 14 (7W) | 19 | E2 | 30 | 60 | 0.815 | 468 |
| 4300 | 279590 | 14 (7W) | 25 | E2 | 30 | 80 | 0.935 | 624 |
| 4300 | 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 |
| 4300 | 280300 | 12 (7W) | 3 | E2 | 30 | 45 | 0.435 | 124 |
| 4310 | 280360 | 12 (7W) | 3 | E1 | 30 | 45 | 0.435 | 124 |
| 4300 | 280170 | 12 (7W) | 3WG | E2 | 30 | 45 | 0.435 | 148 |
| 4300 | 280310 | 12 (7W) | 4 | E2 | 30 | 45 | 0.475 | 157 |
| 4310 | 279910 | 12 (7W) | 4 | E1 | 30 | 45 | 0.475 | 157 |
| 4300 | 280320 | 12 (7W) | 5 | E2 | 30 | 45 | 0.520 | 191 |
| 4310 | 280370 | 12 (7W) | 5 | E1 | 30 | 45 | 0.520 | 191 |
| 4300 | 279890 | 12 (7W) | 7 | E2 | 30 | 60 | 0.595 | 268 |
| 4310 | 280380 | 12 (7W) | 7 | E1 | 30 | 60 | 0.595 | 268 |
| 4300 | 280330 | 12 (7W) | 9 | E2 | 30 | 60 | 0.695 | 337 |
| 4300 | 280340 | 12 (7W) | 12 | E2 | 30 | 60 | 0.765 | 428 |
| 4300 | 279610 | 12 (7W) | 19 | E2 | 30 | 80 | 0.940 | 688 |
| 4300 | 301870 | 12 (7W) | 37 | E2 | 30 | 80 | 1.240 | 1240 |
| 4300 | 279570 | 10 (7W) | 2 Flat | E2 | 30 | 45 | .445 x .270 | 113 |
| 4300 | 280410 | 10 (7W) | 3 | E2 | 30 | 45 | 0.485 | 172 |
| 4310 | 279920 | 10 (7W) | 3 | E1 | 30 | 45 | 0.485 | 172 |
| 4300 | 279680 | 10 (7W) | 3WG | E2 | 30 | 45 | 0.485 | 225 |
| 4300 | 279900 | 10 (7W) | 4 | E2 | 30 | 60 | 0.560 | 234 |
| 4310 | 279930 | 10 (7W) | 4 | E1 | 30 | 60 | 0.560 | 234 |
| 4300 | 279620 | 10 (7W) | 5 | E2 | 30 | 60 | 0.615 | 284 |
| 4300 | 279630 | 10 (7W) | 7 | E2 | 30 | 60 | 0.670 | 331 |
| 4300 | 279640 | 10 (7W) | 9 | E2 | 30 | 60 | 0.760 | 464 |
| 4300 | 279650 | 10 (7W) | 12 | E2 | 30 | 80 | 0.905 | 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

SPEC 4075



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

| 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) |
|-------------|----------------|----------------------|-----------------|--------------------|------------------------|------------------------------|-----------------------|----------------------------------|
| 4075 | 330580 | 14 (7W) | 2 | E1 | 30 | 45 | 0.370 | 75 |
| 4075 | 244160 | 14 (7W) | 3 | E1 | 30 | 45 | 0.390 | 95 |
| 4075 | 239640 | 14 (7W) | 4 | E1 | 30 | 45 | 0.425 | 118 |
| 4075 | 239700 | 14 (7W) | 5 | E1 | 30 | 45 | 0.465 | 143 |
| 4075 | 237500 | 14 (7W) | 7 | E1 | 30 | 45 | 0.505 | 179 |
| 4075 | 239660 | 14 (7W) | 9 | E1 | 30 | 60 | 0.620 | 249 |
| 4075 | 252400 | 14 (7W) | 12 | E1 | 30 | 60 | 0.700 | 317 |
| 4075 | 239670 | 12 (7W) | 2 | E1 | 30 | 45 | 0.410 | 98 |
| 4075 | 233330 | 12 (7W) | 3 | E1 | 30 | 45 | 0.435 | 127 |
| 4075 | 239680 | 12 (7W) | 4 | E1 | 30 | 45 | 0.475 | 160 |
| 4075 | 239650 | 12 (7W) | 5 | E1 | 30 | 45 | 0.520 | 194 |
| 4075 | 243530 | 12 (7W) | 7 | E1 | 30 | 60 | 0.595 | 264 |
| 4075 | 239620 | 12 (7W) | 9 | E1 | 30 | 60 | 0.695 | 345 |
| 4075 | 252360 | 12 (7W) | 12 | E1 | 30 | 60 | 0.780 | 435 |
| 4075 | 252230 | 12 (7W) | 19 | E1 | 30 | 80 | 0.955 | 690 |
| 4075 | 243540 | 10 (7W) | 2 | E1 | 30 | 45 | 0.455 | 126 |
| 4075 | 239630 | 10 (7W) | 3 | E1 | 30 | 45 | 0.485 | 176 |
| 4075 | 233310 | 10 (7W) | 4 | E1 | 30 | 60 | 0.560 | 240 |
| 4075 | 262680 | 10 (7W) | 5 | E1 | 30 | 60 | 0.615 | 291 |
| 4075 | 235680 | 10 (7W) | 9 | E1 | 30 | 60 | 0.765 | 456 |
| 4075 | 375470 | 10 (7W) | 12 | E1 | 30 | 80 | 0.905 | 636 |
| 4075 | 437480 | 10 (7W) | 19 | E1 | 30 | 80 | 1.050 | 973 |

Dimensions and weights are nominal; subject to industry tolerances.

Multi-Conductor, Low-Voltage Control Cables

SPEC 4900



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

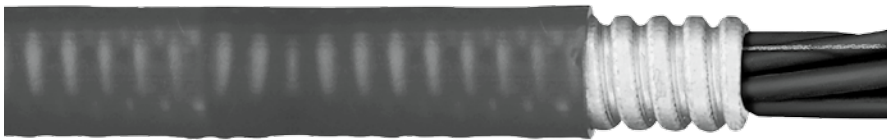
Industry Listings or Approvals: UL Listed as 600 V Type TC-ER-LS per UL 1277 • Conductors listed as XHHW-2 per UL 44 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4 • Rated for exposed run in accordance with NEC guidelines • Marked direct burial and sunlight-resistant • RoHS Compliant

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF CONDUCTORS | CONDUCTOR COLOR CODING | NOMINAL INSULATION (MILS) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|----------------------|------------------------|---------------------------|---------------------------------|-----------------------|----------------------------------|
| 4900 | 394300 | 14 (7/W) | 3 | E2 | 30 | 45 | 0.390 | 92 |
| 4900 | 394320 | 14 (7/W) | 5 | E2 | 30 | 45 | 0.465 | 139 |
| 4900 | 394330 | 14 (7/W) | 7 | E2 | 30 | 45 | 0.505 | 173 |
| 4900 | 394350 | 14 (7/W) | 12 | E2 | 30 | 60 | 0.700 | 301 |
| 4900 | 394400 | 12 (7W) | 2 Flat | E2 | 30 | 45 | .400 x .245 | 82 |
| 4900 | 394440 | 12 (7W) | 4 | E2 | 30 | 45 | 0.475 | 157 |
| 4900 | 394530 | 10 (7W) | 2 Flat | E2 | 30 | 45 | .445 x .270 | 113 |
| 4900 | 394560 | 10 (7W) | 3 | E2 | 30 | 45 | 0.485 | 172 |
| 4900 | 394570 | 10 (7W) | 4 | E2 | 30 | 60 | 0.560 | 234 |

Dimensions and weights are nominal; subject to industry tolerances.

¹ Approved as -ER for Exposed Run applications of 3 or more conductors as defined by the NEC.

SPEC 7050



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF CONDUCTORS | GROUND WIRE SIZE (AWG) | NOMINAL INSULATION (MILS) | CONDUCTOR COLOR CODING | DIAMETER OVER ARMOR (IN) | NOMINAL JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|----------------------|------------------------|---------------------------|------------------------|--------------------------|---------------------------------|-----------------------------|----------------------------------|
| 7050 | 346420 | 14 (7W) | 3 | 14 | 30 | E2 | 0.52 | 50 | 0.63 | 183 |
| 7050 | 346440 | 14 (7W) | 5 | 14 | 30 | E2 | 0.59 | 50 | 0.69 | 246 |
| 7050 | 346450 | 14 (7W) | 7 | 14 | 30 | E2 | 0.64 | 50 | 0.74 | 297 |
| 7050 | 346460 | 14 (7W) | 9 | 14 | 30 | E2 | 0.72 | 50 | 0.83 | 379 |
| 7050 | 346470 | 14 (7W) | 12 | 14 | 30 | E2 | 0.80 | 50 | 0.90 | 460 |
| 7050 | 346480 | 14 (7W) | 19 | 14 | 30 | E2 | 0.99 | 50 | 1.02 | 621 |
| 7050 | 346520 | 12 (7W) | 3 | 12 | 30 | E2 | 0.56 | 50 | 0.66 | 227 |
| 7050 | 346530 | 12 (7W) | 4 | 12 | 30 | E2 | 0.60 | 50 | 0.71 | 272 |
| 7050 | 346540 | 12 (7W) | 5 | 12 | 30 | E2 | 0.64 | 50 | 0.75 | 336 |
| 7050 | 346550 | 12 (7W) | 7 | 12 | 30 | E2 | 0.70 | 50 | 0.81 | 380 |
| 7050 | 346610 | 10 (7W) | 3 | 10 | 30 | E2 | 0.61 | 50 | 0.72 | 301 |
| 7050 | 346620 | 10 (7W) | 4 | 10 | 30 | E2 | 0.66 | 50 | 0.77 | 355 |

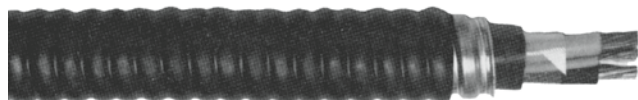
Dimensions and weights are nominal; subject to industry tolerances.



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Multi-Conductor, Low-Voltage Control Cables



SPEC 8025
SPEC 8050
SPEC 8075

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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF CONDUCTORS | GROUND WIRE SIZE (AWG) | NOMINAL DIAMETER OVER INSULATION (MILS) | NOMINAL DIAMETER OVER ARMOR (IN) | NOMINAL CABLE DIAMETER (IN) | APPROX. NET WEIGHT (LBS/1000 FT) | APPROX. NET WEIGHT (KG PER KM) |
|-------------|----------------|----------------------------|----------------------|------------------------|---|----------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 8025 | 780220.00.77 | 14 (7W) | 2 | 14 | 0.13 | 0.58 | 0.67 | 195 | 290 |
| 8025 | 780250.00.77 | 14 (7W) | 3 | 14 | 0.13 | 0.60 | 0.69 | 226 | 336 |
| 8025 | 780280.00.77 | 14 (7W) | 4 | 14 | 0.13 | 0.64 | 0.72 | 256 | 381 |
| 8025 | 794540.00.77 | 14 (7W) | 5 | 14 | 0.13 | 0.68 | 0.76 | 290 | 432 |
| 8025 | 792940.00.77 | 14 (7W) | 6 | 14 | 0.13 | 0.72 | 0.80 | 316 | 471 |
| 8025 | 780310.00.77 | 14 (7W) | 7 | 14 | 0.13 | 0.74 | 0.82 | 338 | 503 |
| 8025 | 330090.00.77 | 14 (7W) | 8 | 14 | 0.13 | 0.79 | 0.87 | 373 | 555 |
| 8025 | 792960.00.77 | 14 (7W) | 10 | 14 | 0.13 | 0.88 | 0.96 | 451 | 671 |
| 8025 | 792980.00.77 | 14 (7W) | 12 | 14 | 0.13 | 0.90 | 0.99 | 511 | 761 |
| 8025 | 793000.00.77 | 14 (7W) | 15 | 14 | 0.13 | 0.96 | 1.04 | 586 | 872 |
| 8025 | 780290.00.77 | 14 (7W) | 20 | 14 | 0.13 | 1.13 | 1.21 | 789 | 1174 |
| 8050 | 780210.00.77 | 12 (7W) | 2 | 14 | 0.15 | 0.62 | 0.70 | 228 | 340 |
| 8050 | 780240.00.77 | 12 (7W) | 3 | 14 | 0.15 | 0.65 | 0.73 | 254 | 378 |
| 8050 | 780320.00.77 | 12 (7W) | 4 | 14 | 0.15 | 0.69 | 0.77 | 293 | 436 |
| 8050 | 312910 | 12 (7W) | 5 | 14 | 0.15 | 0.73 | 0.81 | 350 | 521 |
| 8075 | 780200.00.77 | 10 (7W) | 2 | 12 | 0.18 | 0.67 | 0.75 | 275 | 410 |
| 8075 | 780230.00.77 | 10 (7W) | 3 | 12 | 0.18 | 0.70 | 0.78 | 327 | 487 |
| 8075 | 780270.00.77 | 10 (7W) | 4 | 12 | 0.18 | 0.74 | 0.83 | 413 | 615 |

Dimensions and weights are nominal; subject to industry tolerances.

SPEC 9500



CCW® 600 V, UL Type MC-HL

Cable design: Two or more bare stranded copper conductors insulated with XLPE, cabled with green insulated bare copper ground wire, continuously corrugated and welded (CCW) 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-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 • RoHS Compliant

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF CONDUCTORS | INSULATED GROUND WIRE SIZE (AWG) | NOMINAL INSULATION (MILS) | NOMINAL DIAMETER OVER ARMOR (IN) | NOMINAL JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|----------------------|----------------------------------|---------------------------|----------------------------------|---------------------------------|-----------------------------|----------------------------------|
| 9500 | 9500.01406114 | 14 (7W) | 6 | 14 | 30 | 0.62 | 50 | 0.73 | 267 |
| 9500 | 9500.01403114 | 14 (7W) | 8 | 14 | 30 | 0.71 | 50 | 0.82 | 321 |
| 9500 | 9500.01411114 | 14 (7W) | 11 | 14 | 30 | 0.80 | 50 | 0.91 | 395 |
| 9500 | 9500.01418114 | 14 (7W) | 18 | 14 | 30 | 0.93 | 50 | 1.04 | 554 |
| 9500 | 9500.01208112 | 12 (7W) | 8 | 12 | 30 | 0.80 | 50 | 0.91 | 426 |
| 9500 | 9500.01006110 | 10 (7W) | 6 | 10 | 30 | 0.75 | 50 | 0.86 | 451 |
| 9500 | 9500.01008110 | 10 (7W) | 8 | 10 | 30 | 0.89 | 50 | 1.00 | 568 |

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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Multi-Conductor, Low-Voltage Power Cables

SPEC 4750



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF CONDUCTORS | GROUND WIRE SIZE (AWG) | CONDUCTOR COLOR CODING | NOMINAL INSULATION (MILS) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|----------------------|------------------------|------------------------|---------------------------|---------------------------------|-----------------------|----------------------------------|
| 4750 | 234250 | 12 (7W) | 3 | 14 | M4 | 20 | 45 | 0.385 | 138 |
| 4750 | 234260 | 10 (7W) | 3 | 12 | M4 | 20 | 45 | 0.450 | 209 |
| 4750 | 236370 | 8 (7W) | 3 | 10 | M4 | 36 | 60 | 0.600 | 308 |
| 4750 | 236380 | 8 (7W) | 4 | 10 | M4 | 36 | 60 | 0.655 | 373 |
| 4750 | 226410 | 6 (7W) | 3 | 8 | M4 | 36 | 60 | 0.690 | 434 |
| 4750 | 231980 | 6 (7W) | 4 | 8 | M4 | 36 | 60 | 0.760 | 533 |
| 4750 | 236400 | 4 (7W) | 3 | 8 | M4 | 48 | 80 | 0.875 | 650 |
| 4750 | 236420 | 2 (7W) | 3 | 6 | M4 | 48 | 80 | 1.000 | 964 |
| 4750 | 236440 | 1/0 (19W) | 3 | 6 | M4 | 59 | 80 | 1.225 | 1447 |
| 4750 | 243760 | 2/0 (19W) | 3 | 6 | M4 | 59 | 80 | 1.320 | 1754 |
| 4750 | 221560 | 4/0 (19W) | 3 | 4 | M4 | 59 | 80 | 1.545 | 2630 |
| 4750 | 222490 | 250 (37W) | 3 | 4 | M4 | 70 | 110 | 1.740 | 3177 |
| 4750 | 226430 | 350 (37W) | 3 | 3 | M4 | 70 | 110 | 1.990 | 4263 |
| 4750 | 219630 | 500 (37W) | 3 | 2 | M4 | 70 | 110 | 2.270 | 5890 |

Dimensions and weights are nominal; subject to industry tolerances.

SPEC 4550



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 1581 VW-1 • 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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF CONDUCTORS | GROUND WIRE SIZE (AWG) | CONDUCTOR COLOR CODING | NOMINAL INSULATION (MILS) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|----------------------|------------------------|------------------------|---------------------------|---------------------------------|-----------------------|----------------------------------|
| 4550 | 783160 | 8 (7W) | 3 | 10 | M4 | 45 | 60 | 0.640 | 314 |
| 4550 | 783190 | 8 (7W) | 4 | 10 | M4 | 45 | 60 | 0.705 | 385 |
| 4550 | 339470 | 6 (7W) | 3 | 8 | M4 | 45 | 60 | 0.720 | 445 |
| 4550 | 339480 | 6 (7W) | 4 | 8 | M4 | 45 | 60 | 0.790 | 558 |
| 4550 | 783330 | 4 (7W) | 3 | 8 | M4 | 45 | 60 | 0.825 | 653 |
| 4550 | 325610 | 2 (7W) | 3 | 6 | M4 | 45 | 80 | 1.000 | 964 |
| 4550 | 339530 | 1/0 (19W) | 3 | 6 | M4 | 55 | 80 | 1.215 | 1414 |
| 4550 | 339550 | 2/0 (19W) | 3 | 6 | M4 | 55 | 80 | 1.310 | 1706 |
| 4550 | 783230 | 4/0 (19W) | 3 | 4 | M4 | 55 | 80 | 1.540 | 2600 |
| 4550 | 222570 | 350 (37W) | 3 | 3 | M4 | 65 | 110 | 1.970 | 4230 |
| 4550 | 222710 | 500 (37W) | 3 | 2 | M4 | 65 | 110 | 2.250 | 5829 |

Dimensions and weights are nominal; subject to industry tolerances.



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Multi-Conductor, Low-Voltage Power Cables

SPEC 4350



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF CONDUCTORS | GROUND WIRE SIZE (AWG) | CONDUCTOR COLOR CODING | NOMINAL INSULATION (MILS) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|----------------------|------------------------|------------------------|---------------------------|---------------------------------|-----------------------|----------------------------------|
| 4350 | 279660 | 8 (7W) | 3 | 10 | M4 | 45 | 60 | 0.655 | 314 |
| 4350 | 279670 | 8 (7W) | 4 | 10 | M4 | 45 | 60 | 0.720 | 393 |
| 4350 | 283210 | 6 (7W) | 3 | 8 | M4 | 45 | 60 | 0.740 | 456 |
| 4350 | 300380 | 6 (7W) | 4 | 8 | M4 | 45 | 60 | 0.790 | 561 |
| 4350 | 283200 | 4 (7W) | 3 | 8 | M4 | 45 | 60 | 0.825 | 642 |
| 4350 | 295390 | 4 (7W) | 4 | 8 | M4 | 45 | 60 | 0.950 | 822 |
| 4350 | 293600 | 2 (7W) | 3 | 6 | M4 | 45 | 80 | 1.010 | 979 |
| 4350 | 295890 | 2 (7W) | 4 | 6 | M4 | 45 | 80 | 1.090 | 1235 |
| 4350 | 283220 | 1/0 (19W) | 3 | 6 | M4 | 55 | 80 | 1.225 | 1439 |
| 4350 | 284560 | 2/0 (19W) | 3 | 6 | M4 | 55 | 80 | 1.300 | 1720 |
| 4350 | 325110 | 4/0 (19W) | 3 | 4 | M4 | 55 | 80 | 1.540 | 2614 |
| 4350 | 300780 | 250 (37W) | 3 | 4 | M4 | 65 | 110 | 1.760 | 3184 |
| 4350 | 325120 | 350 (37W) | 3 | 3 | M4 | 65 | 110 | 1.960 | 4187 |
| 4350 | 298020 | 500 (37W) | 3 | 2 | M4 | 65 | 110 | 2.245 | 5847 |

Dimensions and weights are nominal; subject to industry tolerances.

SPEC 4100



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF CONDUCTORS | GROUND WIRE SIZE (AWG) | CONDUCTOR COLOR CODING | NOMINAL INSULATION (MILS) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|----------------------|------------------------|------------------------|---------------------------|---------------------------------|-----------------------|----------------------------------|
| 4100 | 282580 | 8 (7W) | 3 | 10 | M4 | 45 | 60 | 0.635 | 325 |
| 4100 | 282600 | 6 (7W) | 3 | 8 | M4 | 45 | 60 | 0.720 | 481 |
| 4100 | 282620 | 4 (7W) | 3 | 8 | M4 | 45 | 60 | 0.825 | 667 |
| 4100 | 282640 | 2 (7W) | 3 | 6 | M4 | 45 | 80 | 1.000 | 1024 |

Dimensions and weights are nominal; subject to industry tolerances.

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Multi-Conductor, Low-Voltage Power Cables

SPEC 4950



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF CONDUCTORS | GROUND WIRE SIZE (AWG) | CONDUCTOR COLOR CODING | NOMINAL INSULATION (MILS) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|----------------------|------------------------|------------------------|---------------------------|---------------------------------|-----------------------|----------------------------------|
| 4950 | 14428.030600 | 6 (7W) | 3 | 10 | M4 | 45 | 60 | 0.740 | 456 |
| 4950 | 14428.030400 | 4 (7W) | 3 | 8 | M4 | 45 | 60 | 0.880 | 642 |
| 4950 | 14428.030200 | 2 (7W) | 3 | 6 | M4 | 45 | 80 | 1.010 | 979 |
| 4950 | 14428.035200 | 2/0 (19W) | 3 | 6 | M4 | 55 | 80 | 1.300 | 1720 |
| 4950 | 14428.035400 | 4/0 (19W) | 3 | 4 | M4 | 55 | 80 | 1.540 | 2614 |

Dimensions and weights are nominal; subject to industry tolerances.

SPEC 4560



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF CONDUCTORS | INSULATED GROUND WIRE SIZE (AWG) | DRAIN WIRE (NUMBER AND SIZE) | NOMINAL INSULATION (MILS) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|----------------------|----------------------------------|------------------------------|---------------------------|---------------------------------|-----------------------|----------------------------------|
| 4560 | 438070 | 16 (26W) | 3 | 16 | 1 x 16 | 45 | 45 | 0.535 | 175 |
| 4560 | 437080 | 14 (41W) | 3 | 14 | 1 x 14 | 45 | 60 | 0.608 | 213 |
| 4560 | 437090 | 12 (65W) | 3 | 12 | 1 x 12 | 45 | 60 | 0.653 | 285 |
| 4560 | 437100 | 10 (105W) | 3 | 10 | 1 x 10 | 45 | 60 | 0.690 | 362 |
| 4560 | 437110 | 8 (133W) | 3 | 8 | 4 x 14 | 60 | 80 | 0.931 | 638 |
| 4560 | 437120 | 6 (133W) | 3 | 6 | 4 x 12 | 60 | 80 | 1.028 | 894 |
| 4560 | 427130 | 4 (133W) | 3 | 4 | 4 x 10 | 60 | 80 | 1.163 | 1202 |
| 4560 | 438140 | 2 (133W) | 3 | 2 | 4 x 8 | 60 | 80 | 1.310 | 1665 |

Dimensions and weights are nominal; subject to industry tolerances.



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Multi-Conductor, Low-Voltage Power Cables

SPEC 4570



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF CONDUCTORS | GROUND WIRE SIZE (AWG) | NOMINAL INSULATION (MILS) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|----------------------|------------------------|---------------------------|---------------------------------|-----------------------|----------------------------------|
| 4570 | 438200 | 1/0 (273W) | 3 | 3x6 | 55 | 80 | 1.295 | 2020 |
| 4570 | 438210 | 2/0 (323W) | 3 | 3x4 | 55 | 80 | 1.408 | 2325 |
| 4570 | 438230 | 4/0 (551W) | 3 | 3x2 | 55 | 110 | 1.682 | 3694 |

Dimensions and weights are nominal; subject to industry tolerances.

SPEC 4580



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF CONDUCTORS | GROUND WIRE SIZE (AWG) | NOMINAL INSULATION (MILS) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|----------------------|------------------------|---------------------------|---------------------------------|-----------------------|----------------------------------|
| 4580 | 395070V | 14 (7W) | 3 | 3x18 | 60 | 60 | 0.580 | 212 |
| 4580 | 395080V | 12 (7W) | 3 | 3x16 | 60 | 60 | 0.615 | 260 |
| 4580 | 395090V | 10 (7W) | 3 | 3x14 | 60 | 60 | 0.670 | 329 |
| 4580 | 395100V | 8 (7W) | 3 | 3x14 | 70 | 80 | 0.770 | 441 |
| 4580 | 395110V | 6 (7W) | 3 | 3x12 | 70 | 80 | 0.895 | 618 |
| 4580 | 395120V | 4 (7W) | 3 | 3x12 | 70 | 80 | 0.995 | 830 |
| 4580 | 395130V | 2 (7W) | 3 | 3x10 | 70 | 80 | 1.125 | 1152 |
| 4580 | 395140V | 1/0 (19W) | 3 | 3x6 | 90 | 80 | 1.385 | 1853 |
| 4580 | 395150V | 2/0 (19W) | 3 | 3x6 | 90 | 80 | 1.480 | 2169 |
| 4580 | 395170V | 4/0 (19W) | 3 | 3x4 | 90 | 110 | 1.780 | 3241 |
| 4580 | 395190V | 350 (37W) | 3 | 3x2 | 105 | 110 | 2.160 | 5109 |
| 4580 | 395200V | 500 (37W) | 3 | 3x1 | 105 | 110 | 2.455 | 6933 |

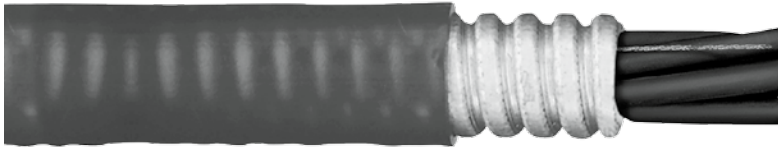
Dimensions and weights are nominal; subject to industry tolerances.

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Multi-Conductor, Low-Voltage Power Cables



SPEC 7100
SPEC 7150
SPEC 7160

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)

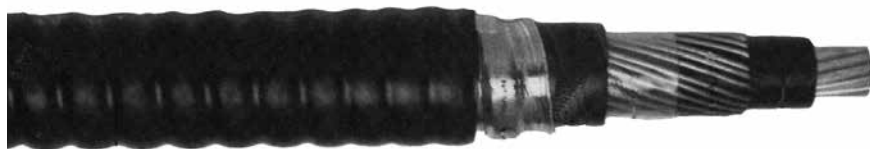
Industry Listings or Approvals: UL Listed as 600 V Type MC per UL 1569 • Conductors listed as XHHW-2 per UL 44 • Meets flame testing requirements of UL 1581 and IEEE 1202/CSA FT4 • Marked sunlight-resistant, direct burial and for CT use • RoHS Compliant

| CATALOG NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NUMBER OF CONDUCTORS | GROUND WIRE SIZE (AWG) | CONDUCTOR COLOR CODING | NOMINAL INSULATION (MILS) | DIAMETER OVER ARMOR (IN) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|----------------|----------------|----------------------------|----------------------|------------------------|------------------------|---------------------------|--------------------------|---------------------------------|-----------------------|----------------------------------|
| 7100 | 346630 | 8 (7W) | 3 | 10 | M4 | 45 | 0.74 | 50 | 0.84 | 420 |
| 7100 | 11298.030600 | 6 (7W) | 3 | 8 | M4 | 45 | 0.79 | 50 | 0.90 | 546 |
| 7100 | 11298.030400 | 4 (7W) | 3 | 8 | M4 | 45 | 0.89 | 50 | 1.00 | 736 |
| 7100 | 11298.030200 | 2 (7W) | 3 | 6 | M4 | 45 | 1.00 | 50 | 1.11 | 1028 |
| 7100 | 11298.035100 | 1/0 (19W) | 3 | 6 | M4 | 55 | 1.20 | 50 | 1.23 | 1490 |
| 7100 | 11298.035200 | 2/0 (19W) | 3 | 6 | M4 | 55 | 1.29 | 50 | 1.31 | 1775 |
| 7100 | 11298.035300 | 3/0 (19W) | 3 | 4 | M4 | 55 | 1.39 | 50 | 1.40 | 2071 |
| 7100 | 11298.035400 | 4/0 (19W) | 3 | 4 | M4 | 55 | 1.50 | 60 | 1.50 | 2619 |
| 7150 | 11298.036000 | 250 (37W) | 3 | 4 | M4 | 65 | 1.72 | 60 | 1.63 | 3180 |
| 7150 | 11298.036200 | 350 (37W) | 3 | 3 | M4 | 65 | 1.92 | 60 | 1.85 | 4329 |
| 7150 | 11298.046200 | 350 (37W) | 4 | 3 | M4 | 65 | 2.12 | 60 | 2.05 | 5457 |
| 7150 | 11298.036500 | 500 (37W) | 3 | 2 | M4 | 65 | 2.18 | 60 | 2.31 | 5821 |
| 7150 | 11298.046500 | 500 (37W) | 4 | 2 | M4 | 65 | 2.41 | 60 | 2.57 | 7853 |
| 7160 | 11298.516500 | 500 (37W) | 3 | 3x 1 | M4 | 65 | 2.18 | 60 | 2.31 | 6399 |

Dimensions and weights are nominal; subject to industry tolerances.

Multi-Conductor, Low-Voltage Power Cables

SPEC 8100



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

| SPEC NUMBER | CATALOG NUMBER | COND. SIZE (STRAND.) | NUMBER OF COND. | GROUND WIRE SIZE (AWG) | NOMINAL INSULATION THICKNESS (MILS) | NOMINAL DIAMETER OVER INSULATION (MILS) | NOMINAL DIAMETER OVER ARMOR (INCHES) | NOMINAL DIAMETER OVER JACKET (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) | APPROX. NET WEIGHT (KG PER KM) |
|-------------|----------------|----------------------|-----------------|------------------------|-------------------------------------|---|--------------------------------------|---------------------------------------|----------------------------------|--------------------------------|
| 8100 | 11288.016000 | 250 (37W) | 1 | 2 | 90 | 0.75 | 1.21 | 1.29 | 1490 | 2210 |
| 8100 | 11288.016200 | 350 (37W) | 1 | 1 | 90 | 0.86 | 1.30 | 1.39 | 1910 | 2840 |
| 8100 | 11288.016500 | 500 (37W) | 1 | 1/0 | 90 | 0.99 | 1.42 | 1.51 | 2510 | 3740 |
| 8100 | 11288.891327 | 750 (61W) | 1 | 2/0 | 90 | 1.16 | 1.59 | 1.69 | 3510 | 5230 |

Dimensions and weights are nominal; subject to industry tolerances.

SPEC 8150



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

| SPEC NUMBER | CATALOG NUMBER | COND. SIZE (STRAND.) | NUMBER OF COND. | GROUND WIRE SIZE (AWG) | NOMINAL INSULATION THICKNESS (MILS) | NOMINAL DIAMETER OVER INSULATION (MILS) | NOMINAL DIAMETER OVER ARMOR (INCHES) | NOMINAL DIAMETER OVER JACKET (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) | APPROX. NET WEIGHT (KG PER KM) |
|-------------|----------------|----------------------|-----------------|------------------------|-------------------------------------|---|--------------------------------------|---------------------------------------|----------------------------------|--------------------------------|
| 8150 | 780260 | 12 (7W) | 3 | 14 | 45 | 0.18 | 0.72 | 0.80 | 299 | 445 |
| 8150 | 331120 | 10 (7W) | 3 | 12 | 45 | 0.21 | 0.79 | 0.88 | 374 | 557 |
| 8150 | 793200 | 8 (7W) | 3 | 10 | 45 | 0.24 | 0.86 | 0.94 | 486 | 723 |
| 8150 | 11288.010600 | 6 (7W) | 3 | 8 | 60 | 0.31 | 1.03 | 1.13 | 724 | 1078 |
| 8150 | 11288.010400 | 4 (7W) | 3 | 8 | 60 | 0.35 | 1.16 | 1.25 | 970 | 1444 |
| 8150 | 11288.010300 | 3 (7W) | 3 | 6 | 60 | 0.38 | 1.22 | 1.30 | 1136 | 1691 |
| 8150 | 11288.010200 | 2 (7W) | 3 | 6 | 60 | 0.42 | 1.28 | 1.37 | 1311 | 1951 |
| 8150 | 11288.010100 | 1 (19W) | 3 | 6 | 80 | 0.49 | 1.44 | 1.54 | 1593 | 2371 |
| 8150 | 11288.015100 | 1/0 (19W) | 3 | 6 | 80 | 0.53 | 1.56 | 1.68 | 1906 | 2837 |
| 8150 | 11288.015200 | 2/0 (19W) | 3 | 6 | 80 | 0.58 | 1.65 | 1.77 | 2225 | 3311 |
| 8150 | 11288.015300 | 3/0 (19W) | 3 | 4 | 80 | 0.63 | 1.75 | 1.87 | 2666 | 3976 |
| 8150 | 11288.015400 | 4/0 (19W) | 3 | 4 | 80 | 0.69 | 1.86 | 1.98 | 3207 | 4772 |
| 8150 | 11288.016000 | 250 (37W) | 3 | 4 | 90 | 0.75 | 2.05 | 2.17 | 3800 | 5655 |
| 8150 | 11288.016200 | 350 (37W) | 3 | 3 | 90 | 0.86 | 2.26 | 2.40 | 4979 | 7409 |
| 8150 | 11288.016500 | 500 (37W) | 3 | 3 | 90 | 0.99 | 2.52 | 2.66 | 6586 | 9798 |
| 8150 | 11288.891327 | 750 (61W) | 3 | 2 | 90 | 1.16 | 2.89 | 3.03 | 9267 | 13790 |

Dimensions and weights are nominal; subject to industry tolerances.

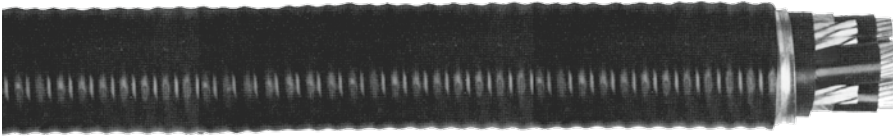
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Multi-Conductor, Low-Voltage Power Cables

SPEC 8175



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

| SPEC NUMBER | CATALOG NUMBER | COND. SIZE (STRANDING) | NUMBER OF COND. | GROUND WIRE SIZE (AWG) | NOMINAL INSULATION THICKNESS (MILS) | NOMINAL DIAMETER OVER INSULATION (MILS) | NOMINAL DIAMETER OVER ARMOR (INCHES) | NOMINAL DIAMETER OVER JACKET (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) | APPROX. NET WEIGHT (KG PER KM) |
|-------------|----------------|------------------------|-----------------|------------------------|-------------------------------------|---|--------------------------------------|---------------------------------------|----------------------------------|--------------------------------|
| 8175 | 331250 | 8 (7W) | 4 | 10 | 45 | 0.24 | 0.92 | 1.00 | 548 | 816 |
| 8175 | 11288.030600 | 6 (7W) | 4 | 8 | 60 | 0.31 | 1.15 | 1.25 | 907 | 1350 |
| 8175 | 11288.020400 | 4 (7W) | 4 | 8 | 60 | 0.35 | 1.26 | 1.35 | 1168 | 1738 |
| 8175 | 11288.020300 | 3 (7W) | 4 | 6 | 60 | 0.38 | 1.31 | 1.40 | 1373 | 2043 |
| 8175 | 11288.020200 | 2 (7W) | 4 | 6 | 60 | 0.42 | 1.37 | 1.46 | 1583 | 2356 |
| 8175 | 11288.040100 | 1 (19W) | 4 | 6 | 80 | 0.49 | 1.60 | 1.72 | 2032 | 3024 |
| 8175 | 11288.025100 | 1/0 (19W) | 4 | 6 | 80 | 0.53 | 1.69 | 1.81 | 2365 | 3520 |
| 8175 | 11288.025200 | 2/0 (19W) | 4 | 6 | 80 | 0.58 | 1.79 | 1.91 | 2745 | 4085 |
| 8175 | 11288.025300 | 3/0 (19W) | 4 | 4 | 80 | 0.63 | 1.91 | 2.03 | 3398 | 5057 |
| 8175 | 11288.045400 | 4/0 (19W) | 4 | 4 | 80 | 0.69 | 2.09 | 2.21 | 4170 | 6205 |
| 8175 | 11288.046000 | 250 (37W) | 4 | 4 | 90 | 0.75 | 2.23 | 2.35 | 4789 | 7126 |
| 8175 | 11288.026200 | 350 (37W) | 4 | 3 | 90 | 0.86 | 2.46 | 2.60 | 6307 | 9385 |
| 8175 | 11288.036500 | 500 (37W) | 4 | 3 | 90 | 0.99 | 2.76 | 2.90 | 8438 | 12556 |
| 8175 | 11288.057000 | 750 (61W) | 4 | 2 | 90 | 1.16 | 3.24 | 3.42 | 12411 | 18468 |

Dimensions and weights are nominal; subject to industry tolerances.

Multi-Conductor, Low-Voltage Power Cables

SPEC 9600



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

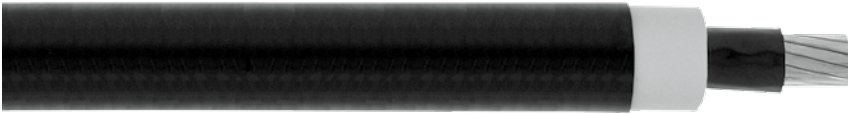
| SPEC NUMBER | CATALOG NUMBER | COND. SIZE (STRANDING) | NUMBER OF COND. | GROUND WIRE SIZE (AWG) | NOMINAL DIAMETER OVER CONDUCTORS (INCHES) | NOMINAL DIAMETER OVER ARMOR (INCHES) | NOMINAL JACKET THICKNESS (MILS) | APPROX. O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|------------------------|-----------------|------------------------|---|--------------------------------------|---------------------------------|-----------------------|----------------------------------|
| 9600 | 9600.01403318 | 14 (7W) | 3 | 3 x 18 | 0.33 | 0.53 | 50 | 0.64 | 163 |
| 9600 | 9600.01203316 | 12 (7W) | 3 | 3 x 16 | 0.37 | 0.58 | 50 | 0.69 | 243 |
| 9600 | 9600.01003314 | 10 (7W) | 3 | 3 x 14 | 0.41 | 0.62 | 50 | 0.73 | 305 |
| 9600 | 9600.01004314 | 10 (7W) | 4 | 3 x 14 | 0.45 | 0.67 | 50 | 0.78 | 354 |
| 9600 | 9600.00803314 | 8 (7W) | 3 | 3 x 14 | 0.50 | 0.71 | 50 | 0.81 | 392 |
| 9600 | 9600.00603112 | 6 (7W) | 3 | 3 x 12 | 0.58 | 0.80 | 50 | 0.90 | 534 |
| 9600 | 9600.00403312 | 4 (7W) | 3 | 3 x 12 | 0.68 | 0.89 | 50 | 0.99 | 716 |
| 9600 | 9600.00203310 | 2 (7W) | 3 | 3 x 10 | 0.80 | 1.02 | 50 | 1.13 | 1013 |
| 9600 | 9600.11003310 | 1/0 (19W) | 3 | 3 x 10 | 1.00 | 1.24 | 50 | 1.34 | 1496 |
| 9600 | 9600.21003310 | 2/0 (19W) | 3 | 3 x 10 | 1.09 | 1.34 | 50 | 1.44 | 1801 |
| 9600 | 9600.31003308 | 3/0 (19W) | 3 | 3 x 8 | 1.21 | 1.47 | 60 | 1.58 | 2262 |
| 9600 | 9600.41003308 | 4/0 (19W) | 3 | 3 x 8 | 1.33 | 1.60 | 60 | 1.73 | 2722 |
| 9600 | 9600.25003308 | 250 (37W) | 3 | 3 x 8 | 1.48 | 1.74 | 60 | 1.87 | 3195 |
| 9600 | 9600.35003307 | 350 (37W) | 3 | 3 x 7 | 1.66 | 1.96 | 60 | 2.09 | 4284 |
| 9600 | 9600.50003306 | 500 (37W) | 3 | 3 x 6 | 1.94 | 2.28 | 75 | 2.44 | 6035 |

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

SPEC 6050



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

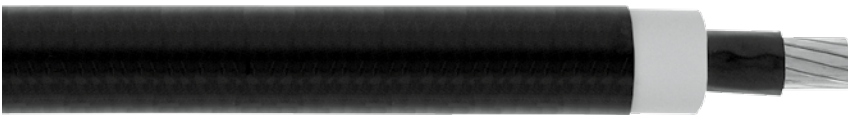
Industry Listings or Approvals: UL Listed as Type MV-90 per UL 1072

• 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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | NOMINAL O.D. OVER INSULATION (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|---------------------------|---------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 6050 | 14901.410605 | 6 (7W) | 125 | 0.44 | 80 | 0.62 | 241 |
| 6050 | 14901.410405 | 4 (7W) | 125 | 0.49 | 80 | 0.66 | 308 |
| 6050 | 14901.410205 | 2 (7W) | 125 | 0.55 | 80 | 0.72 | 408 |
| 6050 | 14901.415105 | 1/0 (19W) | 125 | 0.62 | 80 | 0.79 | 562 |
| 6050 | 14901.415205 | 2/0 (19W) | 125 | 0.66 | 80 | 0.84 | 666 |
| 6050 | 14901.415405 | 4/0 (19W) | 125 | 0.76 | 95 | 0.97 | 983 |
| 6050 | 14901.416005 | 250 (37W) | 140 | 0.84 | 110 | 1.08 | 1183 |
| 6050 | 14901.416205 | 350 (37W) | 140 | 0.93 | 110 | 1.17 | 1545 |
| 6050 | 14901.416500 | 500 (37W) | 140 | 1.06 | 110 | 1.30 | 2077 |
| 6050 | 14901.417005 | 750 (61W) | 155 | 1.26 | 125 | 1.54 | 3040 |

Dimensions and weights are nominal; subject to industry tolerances.

SPEC 6155



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM O.D. OVER INSULATION (INCHES) | MAXIMUM O.D. OVER INSULATION (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|---------------------------|---------------------------------------|---------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 6155 | 17001.120605 | 6 (7W) | 115 | 0.42 | 0.49 | 60 | 0.65 | 295 |
| 6155 | 17001.120405 | 4 (7W) | 115 | 0.46 | 0.54 | 60 | 0.70 | 365 |
| 6155 | 17001.120205 | 2 (7W) | 115 | 0.51 | 0.59 | 60 | 0.76 | 471 |
| 6155 | 17001.135105 | 1/0 (19W) | 115 | 0.58 | 0.66 | 60 | 0.82 | 623 |
| 6155 | 17001.135205 | 2/0 (19W) | 115 | 0.62 | 0.70 | 60 | 0.86 | 728 |
| 6155 | 17001.135405 | 4/0 (19W) | 115 | 0.72 | 0.80 | 80 | 1.00 | 1053 |
| 6155 | 17001.136005 | 250 (37W) | 115 | 0.77 | 0.85 | 80 | 1.05 | 1199 |
| 6155 | 17001.136205 | 350 (37W) | 115 | 0.87 | 0.95 | 80 | 1.14 | 1559 |
| 6155 | 17001.136505 | 500 (37W) | 115 | 0.99 | 1.07 | 80 | 1.27 | 2088 |
| 6155 | 17001.137005 | 750 (61W) | 115 | 1.17 | 1.25 | 80 | 1.45 | 2962 |
| 6155 | 17001.637005 | 1000 (61W) | 115 | 1.32 | 1.40 | 80 | 1.60 | 3815 |

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.

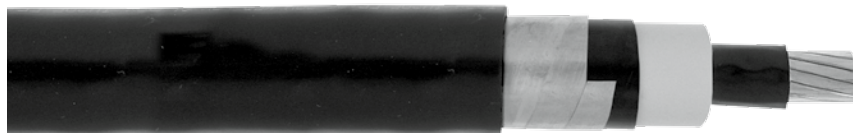


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Single Conductor, Medium-Voltage Cables

SPEC 6175



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

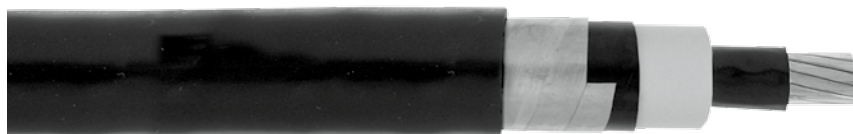
| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM O.D. OVER INSULATION (INCHES) | MAXIMUM O.D. OVER INSULATION (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|---------------------------|---------------------------------------|---------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 6175 | 17101.120605 | 6 (7W) | 115 | 0.42 | 0.49 | 60 | 0.65 | 293 |
| 6175 | 17101.120405 | 4 (7W) | 115 | 0.46 | 0.54 | 60 | 0.70 | 363 |
| 6175 | 17101.120205 | 2 (7W) | 115 | 0.51 | 0.59 | 60 | 0.76 | 469 |
| 6175 | 17101.125105 | 1/0 (19W) | 115 | 0.58 | 0.66 | 60 | 0.82 | 621 |
| 6175 | 17101.125205 | 2/0 (19W) | 115 | 0.62 | 0.70 | 60 | 0.86 | 726 |
| 6175 | 17101.135405 | 4/0 (19W) | 115 | 0.72 | 0.80 | 80 | 1.00 | 1049 |
| 6175 | 17101.136005 | 250 (37W) | 115 | 0.77 | 0.85 | 80 | 1.05 | 1195 |
| 6175 | 17101.136205 | 350 (37W) | 115 | 0.87 | 0.95 | 80 | 1.14 | 1555 |
| 6175 | 17101.136505 | 500 (37W) | 115 | 0.99 | 1.07 | 80 | 1.27 | 2083 |
| 6175 | 17101.137005 | 750 (61W) | 115 | 1.17 | 1.25 | 80 | 1.45 | 2981 |
| 6175 | 17101.637505 | 1000 (61W) | 115 | 1.32 | 1.40 | 80 | 1.60 | 3808 |

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.

SPEC 6180



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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM O.D. OVER INSULATION (INCHES) | MAXIMUM O.D. OVER INSULATION (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|---------------------------|---------------------------------------|---------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 6180 | 17201.120205 | 2 (7W) | 115 | 0.51 | 0.59 | 60 | 0.76 | 471 |
| 6180 | 17201.125105 | 1/0 (19W) | 115 | 0.58 | 0.66 | 60 | 0.82 | 623 |
| 6180 | 17201.125205 | 2/0 (19W) | 115 | 0.62 | 0.70 | 60 | 0.86 | 728 |
| 6180 | 17201.135405 | 4/0 (19W) | 115 | 0.72 | 0.80 | 80 | 1.00 | 1053 |
| 6180 | 17201.136205 | 350 (37W) | 115 | 0.87 | 0.95 | 80 | 1.14 | 1559 |
| 6180 | 17201.136505 | 500 (37W) | 115 | 0.99 | 1.07 | 80 | 1.27 | 2088 |
| 6180 | 17201.137005 | 750 (61W) | 115 | 1.17 | 1.25 | 80 | 1.45 | 2962 |

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.

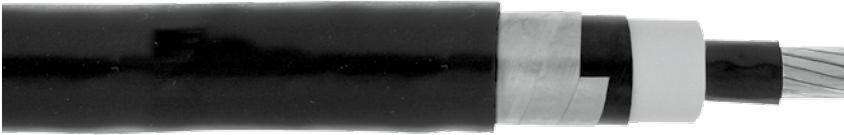
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Single Conductor, Medium-Voltage Cables

SPEC 6355



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

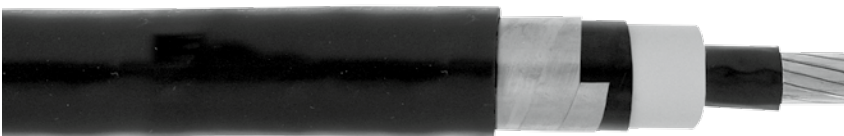
- Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4
- Marked sunlight-resistant
- Sizes 1/0 AWG and larger are marked for CT use
- Suitable for direct burial when installed with an applicably sized ground wire in close proximity in accordance with the National Electrical Code
- RoHS Compliant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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM O.D. OVER INSULATION (INCHES) | MAXIMUM O.D. OVER INSULATION (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS./1000 FT) |
|-------------|----------------|----------------------------|---------------------------|---------------------------------------|---------------------------------------|-------------------------|-----------------------------|-----------------------------------|
| 6355 | 17031.130205 | 2 (7W) | 220 | 0.71 | 0.80 | 80 | 0.99 | 658 |
| 6355 | 17031.135105 | 1/0 (19W) | 220 | 0.78 | 0.87 | 80 | 1.06 | 825 |
| 6355 | 17031.135205 | 2/0 (19W) | 220 | 0.82 | 0.91 | 80 | 1.10 | 938 |
| 6355 | 17031.135405 | 4/0 (19W) | 220 | 0.92 | 1.01 | 80 | 1.21 | 1261 |
| 6355 | 17031.136005 | 250 (37W) | 220 | 0.97 | 1.06 | 80 | 1.25 | 1407 |
| 6355 | 17031.136205 | 350 (37W) | 220 | 1.07 | 1.16 | 80 | 1.35 | 1783 |
| 6355 | 17031.136505 | 500 (37W) | 220 | 1.19 | 1.28 | 80 | 1.47 | 2331 |
| 6355 | 17031.137005 | 750 (61W) | 220 | 1.37 | 1.46 | 80 | 1.65 | 3234 |
| 6355 | 17031.137505 | 1000 (61W) | 220 | 1.52 | 1.61 | 110 | 1.86 | 4219 |

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.



SPEC 6360

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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM O.D. OVER INSULATION (INCHES) | MAXIMUM O.D. OVER INSULATION (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS./1000 FT) |
|-------------|----------------|----------------------------|---------------------------|---------------------------------------|---------------------------------------|-------------------------|-----------------------------|-----------------------------------|
| 6360 | 17031.135108T | 1/0 (19W) | 220 | 0.78 | 0.87 | 80 | 1.06 | 598 |
| 6360 | 17031.135408T | 4/0 (19W) | 220 | 0.92 | 1.01 | 80 | 1.21 | 807 |
| 6360 | 17031.136208T | 350 (37W) | 220 | 1.07 | 1.16 | 80 | 1.35 | 1031 |
| 6360 | 17031.136508T | 500 (37W) | 220 | 1.19 | 1.28 | 80 | 1.47 | 1255 |
| 6360 | 17031.137008T | 750 (61W) | 220 | 1.37 | 1.46 | 80 | 1.65 | 1621 |
| 6360 | 17031.137508T | 1000 (61W) | 220 | 1.52 | 1.61 | 110 | 1.86 | 2068 |

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.

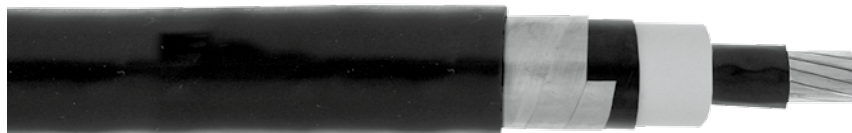


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Single Conductor, Medium-Voltage Cables

SPEC 6375



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 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

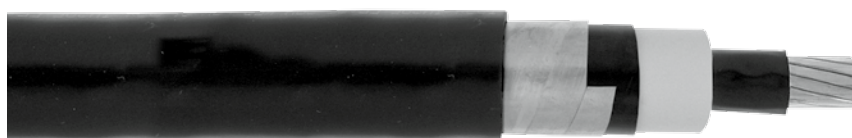
| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM O.D. OVER INSULATION (INCHES) | MAXIMUM O.D. OVER INSULATION (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|---------------------------|---------------------------------------|---------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 6375 | 17131.130205 | 2 (7W) | 220 | 0.71 | 0.80 | 80 | 0.99 | 655 |
| 6375 | 17131.135105 | 1/0 (19W) | 220 | 0.78 | 0.87 | 80 | 1.06 | 820 |
| 6375 | 17131.135205 | 2/0 (19W) | 220 | 0.82 | 0.91 | 80 | 1.10 | 933 |
| 6375 | 17131.135405 | 4/0 (19W) | 220 | 0.92 | 1.01 | 80 | 1.21 | 1248 |
| 6375 | 17131.136005 | 250 (37W) | 220 | 0.97 | 1.06 | 80 | 1.25 | 1402 |
| 6375 | 17131.136205 | 350 (37W) | 220 | 1.07 | 1.16 | 80 | 1.35 | 1778 |
| 6375 | 17131.136505 | 500 (37W) | 220 | 1.19 | 1.28 | 80 | 1.47 | 2325 |
| 6375 | 17131.137005 | 750 (61W) | 220 | 1.37 | 1.46 | 80 | 1.65 | 3250 |
| 6375 | 17131.637505 | 1000 (61W) | 220 | 1.52 | 1.61 | 110 | 1.86 | 4209 |

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.

SPEC 6380



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 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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM O.D. OVER INSULATION (INCHES) | MAXIMUM O.D. OVER INSULATION (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|---------------------------|---------------------------------------|---------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 6380 | 17231.130205 | 2 (7W) | 220 | 0.71 | 0.80 | 80 | 0.99 | 658 |
| 6380 | 17231.135105 | 1/0 (19W) | 220 | 0.78 | 0.87 | 80 | 1.06 | 825 |
| 6380 | 17231.135205 | 2/0 (19W) | 220 | 0.82 | 0.91 | 80 | 1.10 | 938 |
| 6380 | 17231.135405 | 4/0 (19W) | 220 | 0.92 | 1.01 | 80 | 1.21 | 1261 |
| 6380 | 17231.136205 | 350 (37W) | 220 | 1.07 | 1.16 | 80 | 1.35 | 1783 |
| 6380 | 17231.136505 | 500 (37W) | 220 | 1.19 | 1.28 | 80 | 1.47 | 2331 |
| 6380 | 17231.137005 | 750 (61W) | 220 | 1.37 | 1.46 | 80 | 1.65 | 3234 |

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.

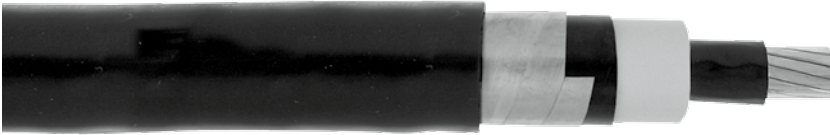
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Single Conductor, Medium-Voltage Cables

SPEC 6555



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

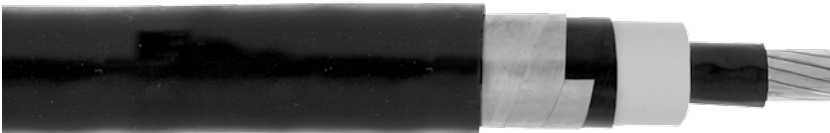
Industry Listings or Approvals: UL Listed as Type MV-105 per UL 1072
 • Meets flame testing requirements of UL 1685 and IEEE 1202/CSA FT4
 • Marked sunlight-resistant • Sizes 1/0 AWG and larger are marked for CT use • Suitable for direct burial when installed with an applicably sized ground wire in close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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM O.D. OVER INSULATION (INCHES) | MAXIMUM O.D. OVER INSULATION (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|---------------------------|---------------------------------------|---------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 6555 | 17061.135105 | 1/0 (19W) | 345 | 1.02 | 1.12 | 80 | 1.31 | 1090 |
| 6555 | 17061.135405 | 4/0 (19W) | 345 | 1.16 | 1.26 | 80 | 1.45 | 1547 |
| 6555 | 17061.136205 | 350 (37W) | 345 | 1.31 | 1.41 | 80 | 1.60 | 2108 |
| 6555 | 17061.136505 | 500 (37W) | 345 | 1.43 | 1.53 | 80 | 1.72 | 2650 |
| 6555 | 17061.137005 | 750 (61W) | 345 | 1.61 | 1.71 | 110 | 1.96 | 3733 |

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.



SPEC 6575

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

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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM O.D. OVER INSULATION (INCHES) | MAXIMUM O.D. OVER INSULATION (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|---------------------------|---------------------------------------|---------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 6575 | 17161.135105 | 1/0 (19W) | 345 | 1.02 | 1.12 | 80 | 1.31 | 1066 |
| 6575 | 17161.135405 | 4/0 (19W) | 345 | 1.16 | 1.26 | 80 | 1.45 | 1516 |
| 6575 | 17161.136205 | 350 (37W) | 345 | 1.31 | 1.41 | 80 | 1.60 | 2075 |
| 6575 | 17161.136505 | 500 (37W) | 345 | 1.43 | 1.53 | 80 | 1.72 | 2650 |
| 6575 | 17061.137005 | 750 (61W) | 345 | 1.61 | 1.71 | 110 | 1.96 | 3687 |

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.

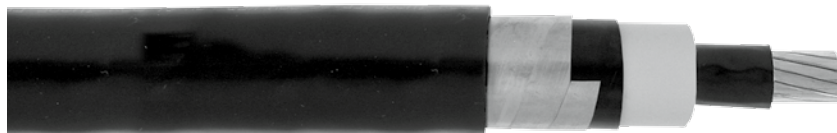


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Single Conductor, Medium-Voltage Cables

SPEC 6560



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 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

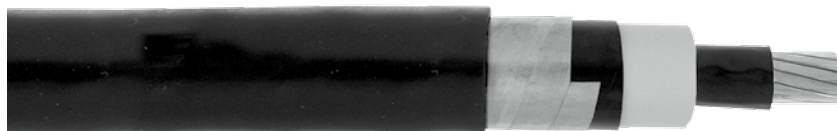
| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM O.D. OVER INSULATION (INCHES) | MAXIMUM O.D. OVER INSULATION (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|---------------------------|---------------------------------------|---------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 6560 | 17061.135408T | 4/0 (19W) | 345 | 1.16 | 1.26 | 80 | 1.45 | 1093 |
| 6560 | 17061.136208T | 350 (37W) | 345 | 1.31 | 1.41 | 80 | 1.60 | 1356 |
| 6560 | 17061.136508T | 500 (37W) | 345 | 1.43 | 1.53 | 80 | 1.72 | 1707 |
| 6560 | 17061.137008T | 750 (61W) | 345 | 1.61 | 1.71 | 110 | 1.96 | 2120 |
| 6560 | 17061.137508T | 1000 (61W) | 345 | 1.76 | 1.87 | 110 | 2.10 | 2500 |

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.

SPEC 6655



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 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

| SPEC NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM O.D. OVER INSULATION (INCHES) | MAXIMUM O.D. OVER INSULATION (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|---------------------------|---------------------------------------|---------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 6655 | 17071.135405 | 4/0 (19W) | 420 | 1.30 | 1.41 | 80 | 1.59 | 1716 |
| 6655 | 17071.136205 | 350 (37W) | 420 | 1.45 | 1.56 | 110 | 1.79 | 2396 |
| 6655 | 17071.136505 | 500 (37W) | 420 | 1.57 | 1.68 | 110 | 1.91 | 2986 |
| 6655 | 17071.137005 | 750 (61W) | 420 | 1.75 | 1.86 | 110 | 2.09 | 3954 |

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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Multi-Conductor, Medium-Voltage Cables

SPEC 6255



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 applicably 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

| SPEC NUMBER | CATALOG NUMBER | COND. SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM NOMINAL O.D. OVER INSULATION (INCHES) | MAXIMUM NOMINAL O.D. OVER INSULATION (INCHES) | GROUND WIRE SIZE (AWG) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|------------------------|---------------------------|---|---|------------------------|-------------------------|-----------------------------|----------------------------------|
| 6255 | 15493.400605 | 6 (7W) | 115 | 0.41 | 0.49 | 6 | 80 | 1.29 | 939 |
| 6255 | 15493.400405 | 4 (7W) | 115 | 0.46 | 0.54 | 6 | 80 | 1.39 | 1158 |
| 6255 | 15493.402005 | 2 (7W) | 115 | 0.51 | 0.59 | 6 | 80 | 1.51 | 1511 |
| 6255 | 15493.405105 | 1/0 (19W) | 115 | 0.58 | 0.66 | 4 | 80 | 1.67 | 2030 |
| 6255 | 15493.405205 | 2/0 (19W) | 115 | 0.62 | 0.70 | 4 | 80 | 1.82 | 2449 |
| 6255 | 15493.405405 | 4/0 (19W) | 115 | 0.72 | 0.80 | 3 | 110 | 2.07 | 3438 |
| 6255 | 15493.406205 | 350 (37W) | 115 | 0.87 | 0.95 | 2 | 110 | 2.36 | 5009 |
| 6255 | 15493.406505 | 500 (37W) | 115 | 0.99 | 1.07 | 1 | 110 | 2.64 | 6793 |

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.

SPEC 6455



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 applicably 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

| SPEC NUMBER | CATALOG NUMBER | COND. SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM NOMINAL O.D. OVER INSULATION (INCHES) | MAXIMUM NOMINAL O.D. OVER INSULATION (INCHES) | GROUND WIRE SIZE (AWG) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|------------------------|---------------------------|---|---|------------------------|-------------------------|-----------------------------|----------------------------------|
| 6455 | 15493.440205 | 2 (7W) | 220 | 0.71 | 0.80 | 6 | 110 | 2.04 | 2226 |
| 6455 | 15493.445105 | 1/0 (19W) | 220 | 0.78 | 0.87 | 4 | 110 | 2.20 | 2711 |
| 6455 | 15493.445205 | 2/0 (19W) | 220 | 0.82 | 0.91 | 4 | 110 | 2.30 | 3163 |
| 6455 | 15493.445405 | 4/0 (19W) | 220 | 0.92 | 1.01 | 3 | 110 | 2.52 | 4203 |
| 6455 | 15493.446205 | 350 (37W) | 220 | 1.07 | 1.16 | 2 | 110 | 2.94 | 6182 |
| 6455 | 15493.446505 | 500 (37W) | 220 | 1.19 | 1.28 | 1 | 140 | 3.21 | 7686 |

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.

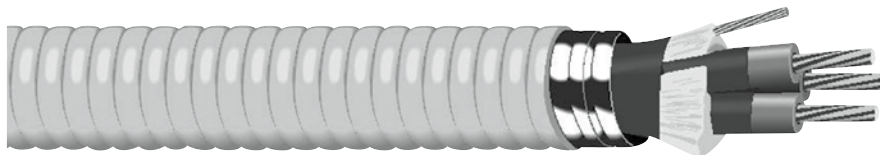


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Multi-Conductor, Medium-Voltage Cables

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

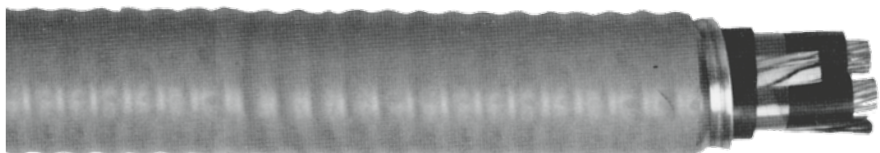
Conductor Size Range: 6 AWG to 500 kcmil

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 NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (STRANDING) | NOMINAL INSULATION (MILS) | GROUND WIRE SIZE (AWG) | NOMINAL DIAMETER OVER ARMOR (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|----------------------------|---------------------------|------------------------|--------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 7200 | 17471.580200 | 2 (7W) | 115 | 6 | 1.37 | 50 | 1.48 | 1363 |
| 7200 | 17471.585200 | 2/0 (19W) | 115 | 4 | 1.71 | 60 | 1.84 | 2326 |
| 7200 | 17471.585400 | 4/0 (19W) | 115 | 3 | 1.92 | 60 | 2.05 | 3256 |
| 7200 | 17471.586200 | 350 (37W) | 115 | 2 | 2.21 | 60 | 2.34 | 4825 |
| 7200 | 17471.586500 | 500 (37W) | 115 | 1 | 2.46 | 75 | 2.63 | 6567 |

Dimensions and weights are nominal; subject to industry tolerances.

SPEC 8250



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 NUMBER | CATALOG NUMBER | COND. SIZE (STRANDING) | NUMBER OF COND. | GROUND WIRE SIZE (AWG) | NOMINAL INSULATION THICKNESS (MILS) | NOMINAL DIAMETER OVER INSULATION (INCHES) | NOMINAL DIAMETER OVER ARMOR (INCHES) | NOMINAL DIAMETER OVER JACKET (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) | APPROX. NET WEIGHT (KG PER KM) |
|-------------|----------------|------------------------|-----------------|------------------------|-------------------------------------|---|--------------------------------------|---------------------------------------|----------------------------------|--------------------------------|
| 8250 | 17496.020600 | 6 (7W) | 3 | 8 | 90 | 0.39 | 1.27 | 1.37 | 927 | 1380 |
| 8250 | 17496.020400 | 4 (7W) | 3 | 8 | 90 | 0.43 | 1.37 | 1.47 | 1138 | 1694 |
| 8250 | 17496.020200 | 2 (7W) | 3 | 6 | 90 | 0.49 | 1.49 | 1.59 | 1476 | 2197 |
| 8250 | 17496.025200 | 2/0 (19W) | 3 | 6 | 90 | 0.60 | 1.76 | 1.86 | 2334 | 3473 |
| 8250 | 17496.025400 | 4/0 (19W) | 3 | 4 | 90 | 0.70 | 1.98 | 2.08 | 3328 | 4952 |
| 8250 | 17496.026200 | 350 (37W) | 3 | 3 | 90 | 0.85 | 2.36 | 2.49 | 5102 | 7592 |
| 8250 | 17496.046500 | 500 (37W) | 3 | 3 | 90 | 0.97 | 2.62 | 2.75 | 6721 | 10001 |
| 8250 | 17496.077000 | 750 (61W) | 3 | 2 | 90 | 1.15 | 3.01 | 3.14 | 9469 | 14090 |

Dimensions and weights are nominal; subject to industry tolerances.

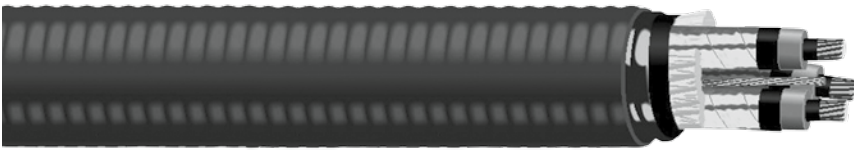
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Multi-Conductor, Medium-Voltage Cables

SPEC 7250



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 applicably 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

| SPEC NUMBER | CATALOG NUMBER | COND. SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM O.D. OVER INSULATION (INCHES) | MAXIMUM O.D. OVER INSULATION (INCHES) | GROUND WIRE SIZE (AWG) | NOMINAL DIAMETER OVER ARMOR (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|------------------------|---------------------------|---------------------------------------|---------------------------------------|------------------------|--------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 7250 | 17473.530200 | 2 (7W) | 115 | 0.51 | 0.59 | 6 | 1.64 | 60 | 1.77 | 1819 |
| 7250 | 17473.535400 | 4/0 (19W) | 115 | 0.72 | 0.80 | 3 | 2.09 | 60 | 2.22 | 3687 |
| 7250 | 17473.536200 | 350 (37W) | 115 | 0.87 | 0.95 | 2 | 2.41 | 75 | 2.57 | 5436 |
| 7250 | 17473.536500 | 500 (37W) | 115 | 0.99 | 1.07 | 1 | 2.64 | 75 | 2.84 | 7170 |

Dimensions and weights are nominal; subject to industry tolerances.



SPEC 7300

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 applicably 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

| SPEC NUMBER | CATALOG NUMBER | COND. SIZE (STRANDING) | NOMINAL INSULATION (MILS) | MINIMUM O.D. OVER INSULATION (INCHES) | MAXIMUM O.D. OVER INSULATION (INCHES) | GROUND WIRE SIZE (AWG) | NOMINAL DIAMETER OVER ARMOR (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|------------------------|---------------------------|---------------------------------------|---------------------------------------|------------------------|--------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 7300 | 17476.530200 | 2 (7W) | 220 | 0.71 | 0.80 | 6 | 2.08 | 60 | 2.21 | 2416 |
| 7300 | 17476.535200 | 2/0 (19W) | 220 | 0.82 | 0.91 | 4 | 2.31 | 60 | 2.44 | 3371 |
| 7300 | 17476.535400 | 4/0 (19W) | 220 | 0.92 | 1.01 | 3 | 2.53 | 75 | 2.70 | 4502 |
| 7300 | 17476.536200 | 350 (37W) | 220 | 1.07 | 1.16 | 2 | 2.85 | 75 | 3.01 | 6252 |
| 7300 | 17476.536500 | 500 (37W) | 220 | 1.19 | 1.28 | 1 | 3.11 | 85 | 3.30 | 8091 |

Dimensions and weights are nominal; subject to industry tolerances.



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Multi-Conductor, Medium-Voltage Cables

SPEC 9800

GENERAL CABLE CCW®



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

| SPEC NUMBER | CATALOG NUMBER | COND. SIZE (STRANDING) | NUMBER OF COND. | NOMINAL INSULATION (MILS) | NOMINAL O.D. OVER INSULATION (INCHES) | GROUND WIRE SIZE (AWG) | NOMINAL DIAMETER OVER CORE (INCHES) | NOMINAL DIAMETER OVER ARMOR (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|------------------------|-----------------|---------------------------|---------------------------------------|------------------------|-------------------------------------|--------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 9800 | 9800.00203310 | 2 (7W) | 3 | 115 | 0.53 | 3 x 10 | 1.37 | 1.64 | 60 | 1.78 | 1731 |
| 9800 | 9800.21003308 | 2/0 (19W) | 3 | 115 | 0.64 | 3 x 8 | 1.61 | 1.92 | 60 | 2.05 | 2626 |
| 9800 | 9800.41003307 | 4/0 (19W) | 3 | 115 | 0.74 | 3 x 7 | 1.82 | 2.15 | 60 | 2.28 | 3650 |
| 9800 | 9800.35003306 | 350 (37W) | 3 | 115 | 0.89 | 3 x 6 | 2.10 | 2.45 | 75 | 2.61 | 5045 |
| 9800 | 9800.50003305 | 500 (37W) | 3 | 115 | 1.01 | 3 x 5 | 2.39 | 2.75 | 75 | 2.92 | 7137 |

Dimensions and weights are nominal; subject to industry tolerances.

SPEC 9835

GENERAL CABLE CCW®



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 • RoHS Compliant

| SPEC NUMBER | CATALOG NUMBER | COND. SIZE (STRANDING) | NUMBER OF COND. | NOMINAL INSULATION (MILS) | NOMINAL O.D. OVER INSULATION (INCHES) | GROUND WIRE SIZE (AWG) | NOMINAL DIAMETER OVER CORE (INCHES) | NOMINAL DIAMETER OVER ARMOR (INCHES) | JACKET THICKNESS (MILS) | APPROX. CABLE O.D. (INCHES) | APPROX. NET WEIGHT (LBS/1000 FT) |
|-------------|----------------|------------------------|-----------------|---------------------------|---------------------------------------|------------------------|-------------------------------------|--------------------------------------|-------------------------|-----------------------------|----------------------------------|
| 9835 | 9835.00203106 | 2 (7W) | 3 | 220 | 0.76 | 6 | 1.82 | 2.15 | 60 | 2.28 | 2473 |
| 9835 | 9835.21003104 | 2/0 (19W) | 3 | 220 | 0.87 | 4 | 2.06 | 2.40 | 75 | 2.56 | 3630 |
| 9835 | 9835.41003103 | 4/0 (19W) | 3 | 220 | 0.97 | 3 | 2.26 | 2.62 | 75 | 2.79 | 4435 |
| 9835 | 9835.35003102 | 350 (37W) | 3 | 220 | 1.12 | 2 | 2.61 | 3.03 | 85 | 3.21 | 6445 |
| 9835 | 9835.50003101 | 500 (37W) | 3 | 220 | 1.24 | 1 | 2.86 | 3.32 | 85 | 3.50 | 8376 |

Dimensions and weights are nominal; subject to industry tolerances.

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