



|               |                         |  |
|---------------|-------------------------|--|
| <b>1208</b>   | CONDUCTORS AND HARDWARE |  |
| Sheet 1 of 1  | CONDUCTOR               |  |
| Rev: 08/01/20 |                         |  |

**1208**

**CONDUCTOR**

**CONTAINS**

- 1208-01 1C AL-ACSR/AAC/AWG/MCM**
- 1208-02 1C COPPER**
- 1208-03 1C-CU BARE TINNED**
- 1208-04 2C/7C-COPPER**
- 1208-05 1C INSULATED 5KV/15KV**
- 1208-06 3C INSULATED 15KV**
- 1208-07 1PH DUPLEX/TRIPLEX OH/UG/SL**
- 1208-08 3PH QUADRAPLEX OH/UG**
- 1208-10 CABLE CAPS AL/CU URD 15KV**
- 1208-20 WIRE COMBINATIONS - OVERHEAD PRIMARY**

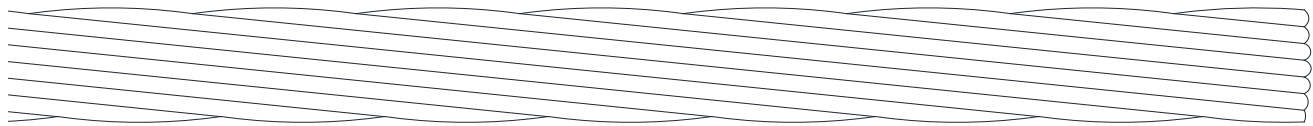
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| <b>1208-01</b> | <b>CONDUCTORS AND HARDWARE</b><br><br><b>CONDUCTOR</b><br><br><b>1C AL - ACSR/AAC/AWG/MCM</b> |  |
| Sheet 1 of 2   |   |  |
| Rev: 08/01/20  |   |  |



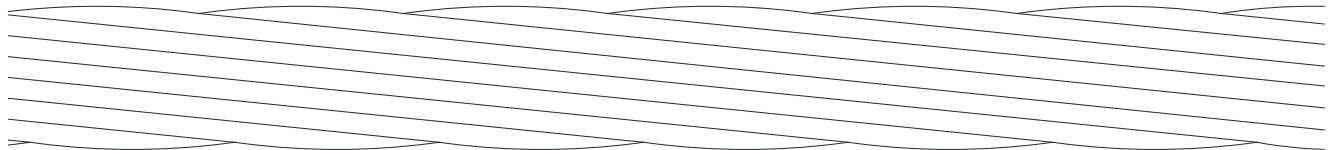
1208-01-05 1/0 ACSR



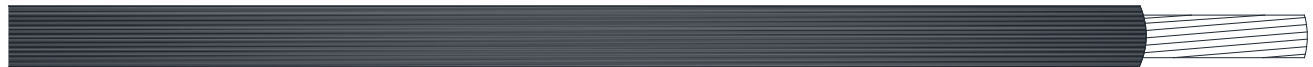
1208-01-11 4/0 AAC



1208-01-15 336 ACSR




1208-01-25 795 MCM



1208-01-02 #4 ACSR BN INSULATED  
1208-01-10 4/0 AL 1C INSULATED  
1208-01-17 350 AL 1C INSULATED



|                |                                |  |                   |
|----------------|--------------------------------|--|-------------------|
| <b>1208-02</b> | <b>CONDUCTORS AND HARDWARE</b> |  |                   |
| Sheet 1 of 3   |                                |  | <b>CONDUCTOR</b>  |
| Rev: 08/01/20  |                                |  | <b>1C- COPPER</b> |



1208-02-01 #6 CU SOLID SD  
1208-02-02 #6 CU SOLID MHD  
1208-02-06 #4 CU SOLID M2HD  
1208-02-11 #2 CU SOLID MHD



1208-02-04 #6A COPPERWELD




1208-02-16 1/0 CU BARE STRANDED MHD



1208-02-03 #6 CU XLP  
1208-02-12 #2 CU XLP  
1208-02-14 #2 CU STRANDED WP  
1208-02-17 1/0 CU XLP  
1208-02-22 3/0 CU XLP  
1208-02-26 4/0 CU STRANDED WP  
1208-02-30 250 CU MCM 1C  
1208-02-40 500 CU MCM 1C



|                |                                |                                       |  |
|----------------|--------------------------------|---------------------------------------|--|
| <b>1208-02</b> | <b>CONDUCTORS AND HARDWARE</b> | <b>CONDUCTOR</b><br><b>1C- COPPER</b> |  |
| Sheet 3 of 3   |                                |                                       |  |
| Rev: 08/01/20  |                                |                                       |  |

|              |               |                       |
|--------------|---------------|-----------------------|
| <b>CU-ID</b> | <b>CU-REF</b> | <b>CU-DESCRIPTION</b> |
|--------------|---------------|-----------------------|

|             |          |                 |
|-------------|----------|-----------------|
| WIR1/0CUXLP | 12080217 | WIRE 1/0 CU XLP |
|-------------|----------|-----------------|

| ID | PART NUM   | PART DESC                                    | QTY  | CU-REF   |
|----|------------|--|------|----------|
| 1  | 0000004672 | CABLE SINGLE CONDUCTOR 600 V 1/0 XLP 1000/FT | 1 FT | 12080217 |

|               |          |                         |
|---------------|----------|-------------------------|
| WIR2/0CUSTRWP | 12080220 | WIRE 2/0 CU STRANDED WP |
|---------------|----------|-------------------------|

| ID | PART NUM   | PART DESC                        | QTY  | CU-REF   |
|----|------------|----------------------------------|------|----------|
| 1  | 0000004681 | WIRE WEATHERPROOF COP 7 STRD 2/0 | 1 FT | 12080220 |

|             |          |                 |
|-------------|----------|-----------------|
| WIR3/0CUXLP | 12080222 | WIRE 3/0 CU XLP |
|-------------|----------|-----------------|

| ID | PART NUM   | PART DESC  | QTY  | CU-REF   |
|----|------------|--|------|----------|
| 1  | 0000000550 | CABLE SINGLE CONDUCTOR 600 VOLT 3/0 XLP USE-2 COPPER | 1 FT | 12080222 |

|                 |          |                               |
|-----------------|----------|-------------------------------|
| WIR4/0CUBSTRMHD | 12080225 | WIRE 4/0 CU BARE STRANDED MHD |
|-----------------|----------|-------------------------------|

| ID | PART NUM   | PART DESC   | QTY  | CU-REF   |
|----|------------|---|------|----------|
| 1  | 0000019241 | WIRE COPPERWELD STEEL 19 # 9 40% COND SOFT ANNEAL 1000F | 1 FT | 12080225 |

|               |          |                         |
|---------------|----------|-------------------------|
| WIR4/0CUSTRWP | 12080226 | WIRE 4/0 CU STRANDED WP |
|---------------|----------|-------------------------|

| ID | PART NUM   | PART DESC                        | QTY  | CU-REF   |
|----|------------|----------------------------------|------|----------|
| 1  | 0000004682 | WIRE WEATHERPROOF COP 7 STRD 4/0 | 1 FT | 12080226 |

|               |          |                    |
|---------------|----------|--------------------|
| WIR250CUMCM1C | 12080230 | WIRE 250 CU MCM 1C |
|---------------|----------|--------------------|

| ID | PART NUM   | PART DESC                                   | QTY  | CU-REF   |
|----|------------|---|------|----------|
| 1  | 0000004663 | CABLE NETWORK 1/C 250 MCM 37 STRD COP 600 V | 1 FT | 12080230 |

|               |          |                    |
|---------------|----------|--------------------|
| WIR500CUMCM1C | 12080240 | WIRE 500 CU MCM 1C |
|---------------|----------|--------------------|

| ID | PART NUM   | PART DESC  | QTY  | CU-REF   |
|----|------------|--|------|----------|
| 1  | 0000004664 | CABLE NETWORK 1/C 500 MCM 37 STRD COP 600V 1000/FT | 1 FT | 12080240 |

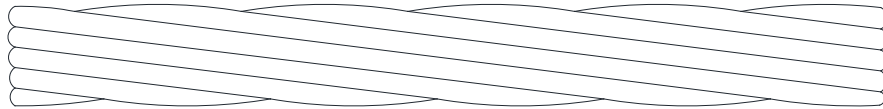
|                |
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| <b>1208-03</b> |
| Sheet 1 of 2   |
| Rev: 08/01/20  |

CONDUCTORS AND HARDWARE

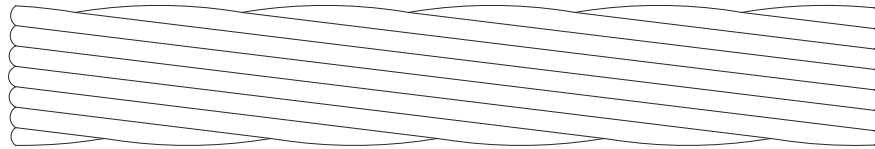
CONDUCTOR  
**1C- CU BARE TINNED**



1208-03-01 #6 CU BARE TINNED  
 1208-03-02 #4 CU BARE TINNED  
 1208-03-03 #2 CU BARE TINNED



1208-03-05 2/0 CU BARE TINNED



1208-03-10 500 CU BARE TINNED

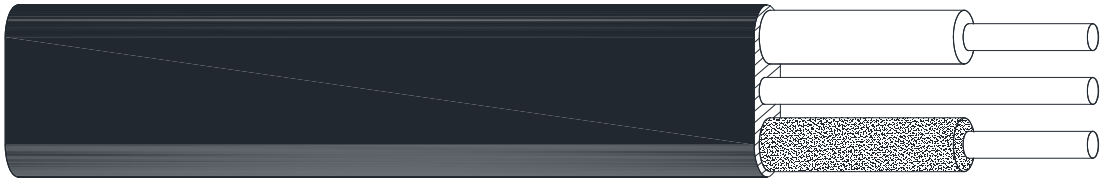




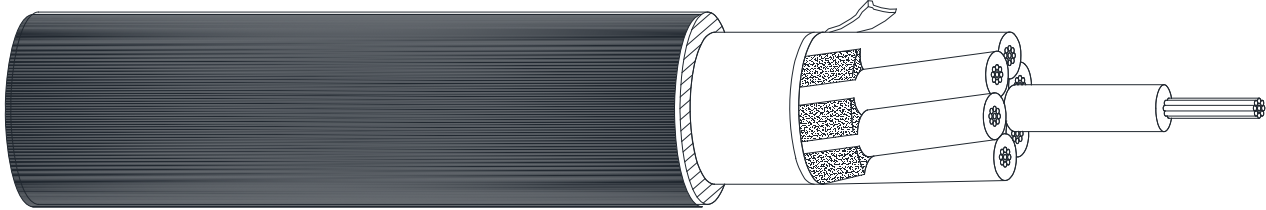
|                |
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| <b>1208-04</b> |
| Sheet 1 of 2   |
| Rev: 08/01/20  |

CONDUCTORS AND HARDWARE


CONDUCTOR  
**2C/7C - COPPER**



1208-04-02 #12 CU 2C W/GRD



1208-04-50 #12 CU STRANDED 7C

|                |   |  |
|----------------|---|--|
| <b>1208-04</b> | <b>CONDUCTORS AND HARDWARE</b><br><b>CONDUCTOR</b><br><b>2C/7C - COPPER</b> |  |
| Sheet 2 of 2   |   |  |
| Rev: 08/01/20  |   |  |

**CU**


|              |               |                       |
|--------------|---------------|-----------------------|
| <b>CU-ID</b> | <b>CU-REF</b> | <b>CU-DESCRIPTION</b> |
|--------------|---------------|-----------------------|

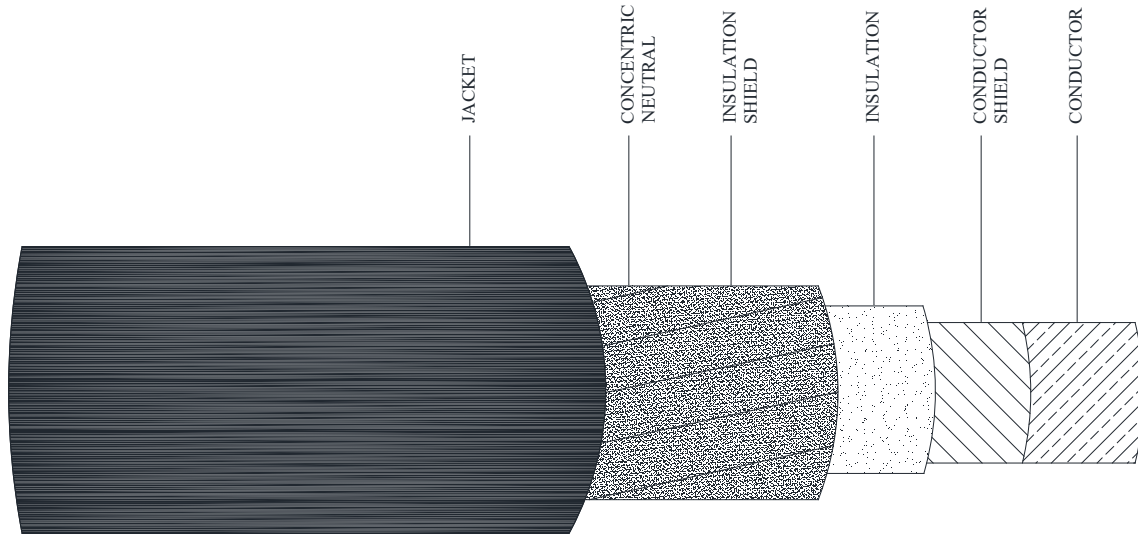
|               |          |                       |
|---------------|----------|-----------------------|
| WIR12CU2CWGRD | 12080402 | WIRE # 12 CU 2C W/GRD |
|---------------|----------|-----------------------|

| ID | PART NUM   | PART DESC   | QTY |    | CU-REF   |
|----|------------|---|-----|----|----------|
| 1  | 0000001870 | CABLE TYPE UF-B UG FEEDER #12 AWG 2C COPPER<br>W/GROUND | 1   | FT | 12080402 |

|              |          |                          |
|--------------|----------|--------------------------|
| WIR12CUSTR7C | 12080450 | WIRE # 12 CU STRANDED 7C |
|--------------|----------|--------------------------|

| ID | PART NUM   | PART DESC                                    | QTY |    | CU-REF   |
|----|------------|--|-----|----|----------|
| 1  | 0000004608 | CABLE TRAFFIC CONTROL 7/C 600 V #12 STRD COP | 1   | FT | 12080450 |


|               |  |  |
|---------------|--|--|
| 1208-05       | <b>CONDUCTORS AND HARDWARE</b><br><br><b>CONDUCTOR</b><br><br><b>1C INSULATED 5KV/15KV</b> |  |
| Sheet 1 of 2  |  |  |
| Rev: 08/01/20 |  |  |



1208-05-06 1/0 AL 1C 15KV JCN  
1208-05-20 500 CU 1C 15KV JCN  
1208-05-30 1000 CU 1C 15KV JCN

**NOTES:**

1. 1/0 AWG SINGLE CONDUCTOR ALUMINUM CABLE WITH FULL CONCENTRIC NEUTRAL IS TO BE USED ON ALL SINGLE PHASE URD APPLICATIONS.
2. MINIMUM SIZE CONDUIT FOR 1/0 AWG ALUMINUM CABLE IS 2".
3. IN ORDER TO AVOID DAMAGE TO CABLE INSULATION, NEVER BEND PRIMARY CABLES IN A RADIUS LESS THAN 12 TIMES THE DIAMETER OF THE CABLE.
4. IN THE CASE OF 1/0 ALUMINUM CABLE, THE MINIMUM RADIUS IS 15".
5. IN GENERAL, A BENDING RADIUS OF TWICE THE ALUMINUM, OR 30", SHOULD BE MAINTAINED.
6. IT IS IMPORTANT TO KEEP CABLE FREE OF MOISTURE DURING STORAGE AND INSTALLATION.
7. IF CABLE IS NOT BEING TERMINATED IMMEDIATELY, ALWAYS SEAL CABLE ENDS BY INSTALLING CABLE CAPS TO PREVENT MOISTURE ENTRY AS SHOWN ON PAGE 1208-10.
8. THE MAXIMUM PULLING TENSION FOR 1/0 AWG ALUMINUM CABLE IS 846 LBS.
9. THE MAXIMUM PULLING TENSION FOR 500 CU IS 4,000 LBS and 1000 CU IS 8,000 LBS.
10. CARE SHOULD BE TAKEN NOT TO EXCEED THIS MAXIMUM PULLING TENSION DURING INSTALLATION.

|                |  |  |
|----------------|--|--|
| <b>1208-05</b> | <b>CONDUCTORS AND HARDWARE</b><br><br><b>CONDUCTOR</b><br><br><b>1C INSULATED 5KV/15KV</b> |  |
| Sheet 2 of 2   |  |  |
| Rev: 08/01/20  |  |  |

**CU**

|              |               |                       |
|--------------|---------------|-----------------------|
| <b>CU-ID</b> | <b>CU-REF</b> | <b>CU-DESCRIPTION</b> |
|--------------|---------------|-----------------------|

|              |          |                           |
|--------------|----------|---------------------------|
| WIR4CUINS5KV | 12080502 | WIRE # 4 CU INSULATED 5KV |
|--------------|----------|---------------------------|

| ID | PART NUM   | PART DESC  | QTY | FT | CU-REF   |
|----|------------|--|-----|----|----------|
| 1  | 0000022447 | WIRE #4 AWG CU STRANDED W/110 MIL POLYETHYLENE<br>500/FT | 1   | FT | 12080502 |

|                   |          |                         |
|-------------------|----------|-------------------------|
| WIR1/0AL1C15KVJCN | 12080506 | WIRE 1/0 AL 1C 15KV JCN |
|-------------------|----------|-------------------------|

| ID | PART NUM   | PART DESC                              | QTY | FT | CU-REF   |
|----|------------|--|-----|----|----------|
| 1  | 0000001207 | CABLE 1/0 AWG 1C AL 15 KV XLPE 2500/FT | 1   | FT | 12080506 |


| ID | PART NUM | PART DESC | QTY | FT | CU-REF |
|----|----------|-----------|-----|----|--------|
|----|----------|-----------|-----|----|--------|

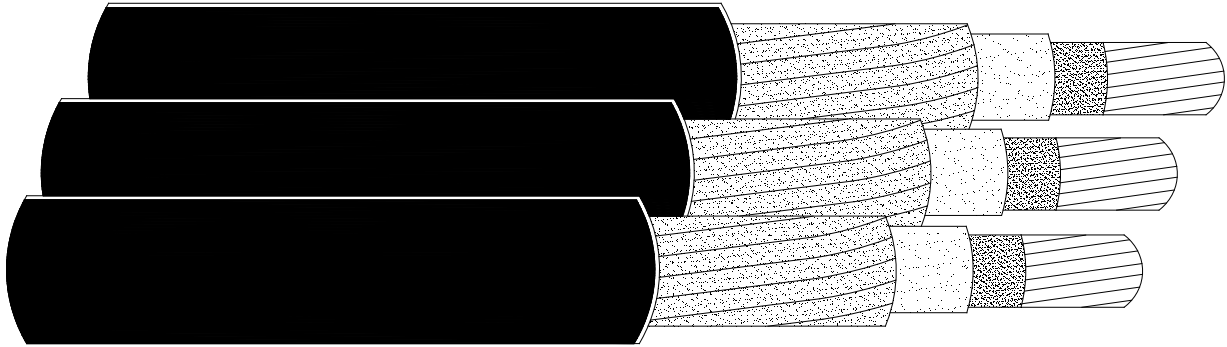
|                   |          |                         |
|-------------------|----------|-------------------------|
| WIR500CU1C15KVJCN | 12080520 | WIRE 500 CU 1C 15KV JCN |
|-------------------|----------|-------------------------|

| ID | PART NUM   | PART DESC                                     | QTY | FT | CU-REF   |
|----|------------|---|-----|----|----------|
| 1  | 0000001644 | CABLE PWR 15KV COP 1C 500 MCM JCN EPR 3600/FT | 1   | FT | 12080520 |

|                  |          |                          |
|------------------|----------|--------------------------|
| WIR1KCU1C15KVJCN | 12080530 | WIRE 1000 CU 1C 15KV JCN |
|------------------|----------|--------------------------|

| ID | PART NUM   | PART DESC   | QTY | FT | CU-REF   |
|----|------------|---|-----|----|----------|
| 1  | 0000001422 | CABLE COP 15KV 1000MCM JCKTD CNCTRIC NEUTR<br>1800/FT | 1   | FT | 12080530 |

|               |  |  |
|---------------|--|--|
| 1208-06       | <b>CONDUCTORS AND HARDWARE</b><br><br><b>CONDUCTOR</b><br><br><b>3C INSULATED 15KV</b> |  |
| Sheet 1 of 2  |  |  |
| Rev: 08/01/20 |  |  |



1208-06-02 1/0 AL 3C 15KV JCN 1/3 N  
 1208-06-05 1/0 AL 3C 15KV JCN  
 1208-06-08 250 CU 3C 15KV JCN  
 1208-06-10 500 CU 3C 15KV JCN

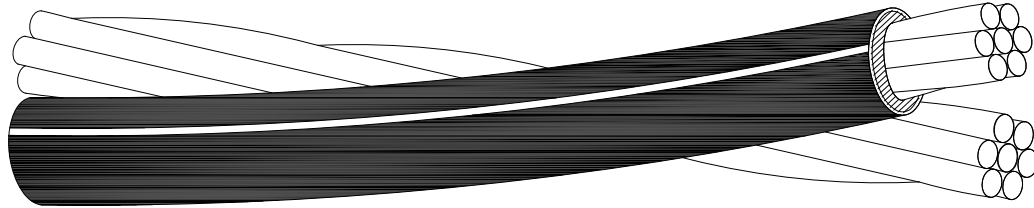
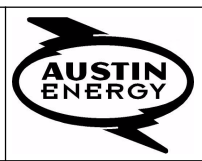
NOTES:

1. KEEP CABLE FREE OF MOISTURE DURING STORAGE & INSTALLATION.
2. ALWAYS SEAL CABLE ENDS BY INSTALLING CABLE CAPS TO PREVENT MOISTURE ENTRY AS SHOWN ON PAGE 1208-10.
3. SINCE CABLE GRIPS ARE NORMALLY USED TO PULL THESE 3-CONDUCTOR CABLES, THE MAXIMUM TENSION FOR PULLING 3-CONDUCTOR CABLE IS 1000 LBS.
4. DO NOT EXCEED THE MAXIMUM PULLING TENSION DURING INSTALLATION.

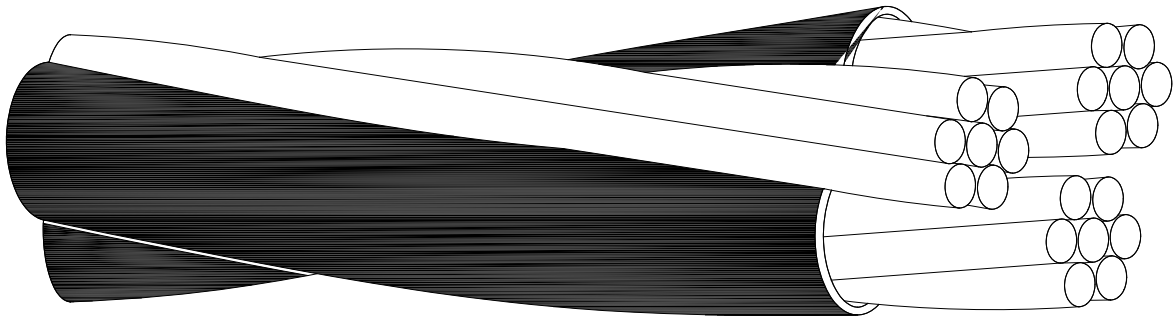


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| <b>1208-07</b> |
| Sheet 1 of 3   |
| Rev: 08/01/20  |

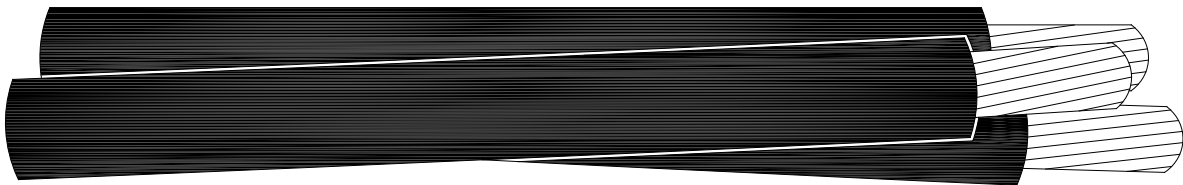
**CONDUCTORS AND HARDWARE**  
**CONDUCTOR**  
**1PH DUPLEX/TRIPLEX OH/UG/SL**



1208-07-02 #4 ACSR OH DUPLEX



1208-07-04 #4 ACSR OH TRIPLEX  
1208-07-06 1/0 ACSR OH TRIPLEX  
1208-07-09 4/0 ACSR OH TRIPLEX




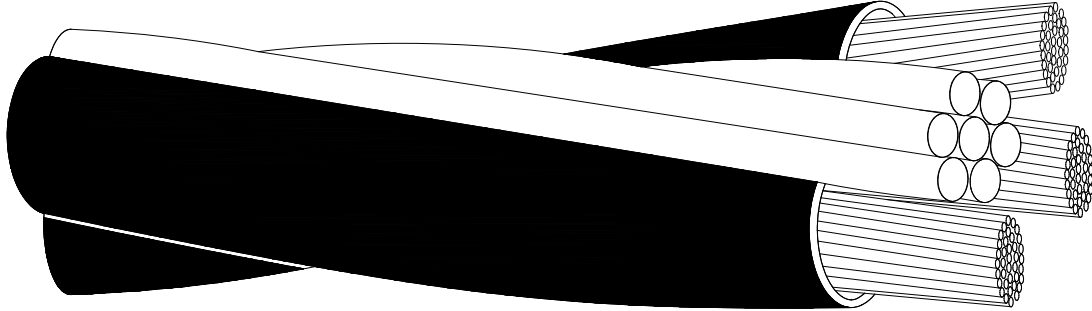
1208-07-21 1/0 AL UG TRIPLEX  
1208-07-23 3/0 AL UG TRIPLEX  
1208-07-24 4/0 AL UG TRIPLEX  
1208-07-26 250 CU UG TRIPLEX  
1208-07-27 250 CU UG TRIPLEX FN  
1208-07-28 350 AL UG TRIPLEX  
1208-07-30 500 CU UG TRIPLEX







|               |   |  |
|---------------|---|--|
| 1208-08       | CONDUCTORS AND HARDWARE<br><br>CONDUCTOR<br><br><b>3PH QUADRAPLEX OH/UG</b> |  |
| Sheet 1 of 2  |   |  |
| Rev: 08/01/20 |   |  |



1208-08-01 #4 ACSR OH QUADRAPLEX  
 1208-08-03 1/0 ACSR OH QUADRAPLEX  
 1208-08-06 4/0 ACSR OH QUADRAPLEX




1208-08-25 1/0 CU UG QUADRAPLEX  
 1208-08-08 4/0 AL UG QUADRAPLEX  
 1208-08-30 250 CU UG QUADRAPLEX  
 1208-08-35 350 AL UG QUADRAPLEX  
 1208-08-40 500 CU UG QUADRAPLEX

**NOTES:**

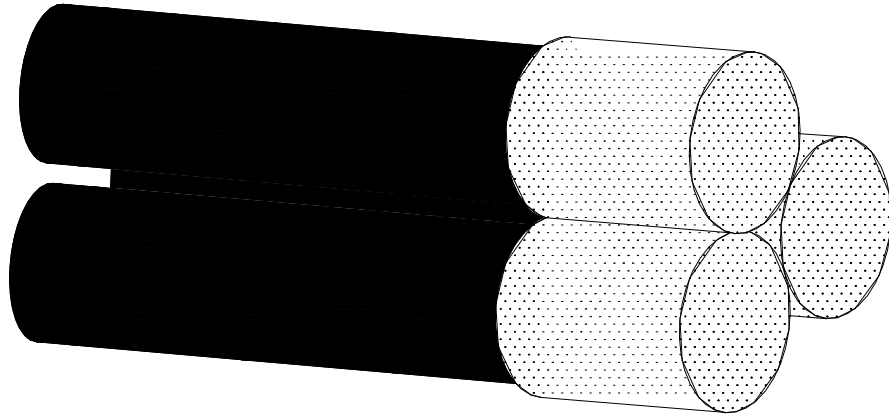
1. SELECT SECONDARY & SERVICE CABLES BASED ON THE ANTICIPATED LOAD WITH CONSIDERATION TO FUTURE LOAD GROWTH.
2. ALSO CONSIDER VOLTAGE DROP AT THE SERVICE POINT & ANY FLICKER IN SELECTING SECONDARY & SERVICE CABLES.
3. REFER TO THE DISTRIBUTION DESIGN STANDARDS FOR THE SELECTION CRITERIA.



|                |                                  |  |
|----------------|----------------------------------|--|
| <b>1208-10</b> | CONDUCTORS AND HARDWARE          |  |
| Sheet 1 of 2   | CONDUCTOR                        |  |
| Rev: 08/01/20  | <b>CABLE CAPS AL/CU URD 15KV</b> |  |

**END CAPS NOTE:**  
 WHENEVER THE CABLE WILL NOT BE TERMINATED IMMEDIATELY, INSTALL CABLE CAPS ON ALL PRIMARY CABLE ENDS RIGHT AFTER CUTTING WHICH KEEPS MOISTURE OUT OF CONDUCTOR STANDS OR CABLE INSULATION.

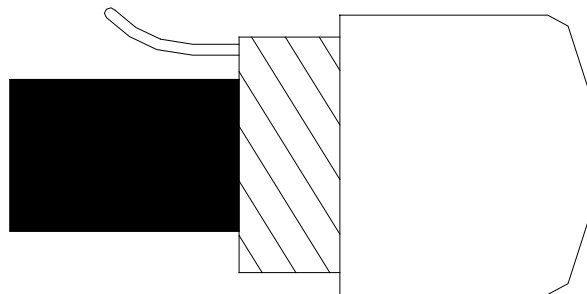
**HEAT SHRINK END CAPS**



1208-10-01 CAPSCBL #2 500-15KV  
 1208-10-04 CAPSCBLCU 1000-15KV

**HEAT SHRINK END CAPS NOTE:**  
 WIPE JACKET CLEAN AT CABLE END WITH A CLEAN CLOTH. INSTALL CABLE CAP OVER JACKET. USE A PIECE OF CONCENTRIC NEUTRAL WIRE TO BLEED ANY EXCESS AIR FROM THE CAP. APPLY SILLICON GREASE IF NEEDED. APPLY A HALF-LAPPED LAYER OF VINYL TAPE OVER THE CAP AND CABLE END.

**COLD SHRINK END CAPS**

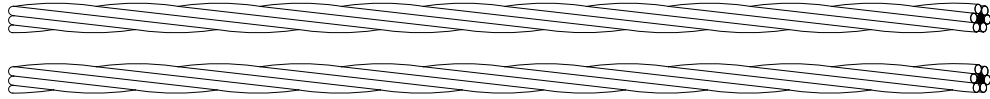
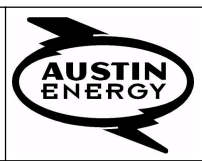


1208-10-11 CAPSCLDSHNK1/0-15KV  
 1208-10-14 CAPSCLDSHNK250-1000-15KV

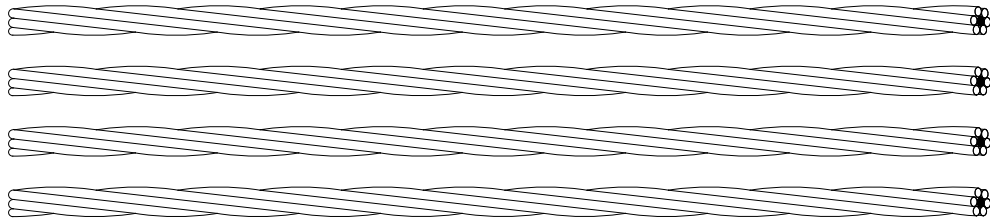


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| <b>1208-20</b> |
| Sheet 1 of 2   |
| Rev: 08/01/20  |

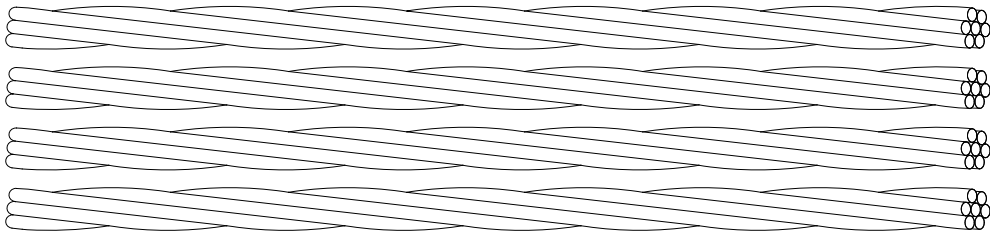
**CONDUCTORS AND HARDWARE**  
**CONDUCTOR**  
**WIRE COMBINATIONS - OVERHEAD PRIMARY**



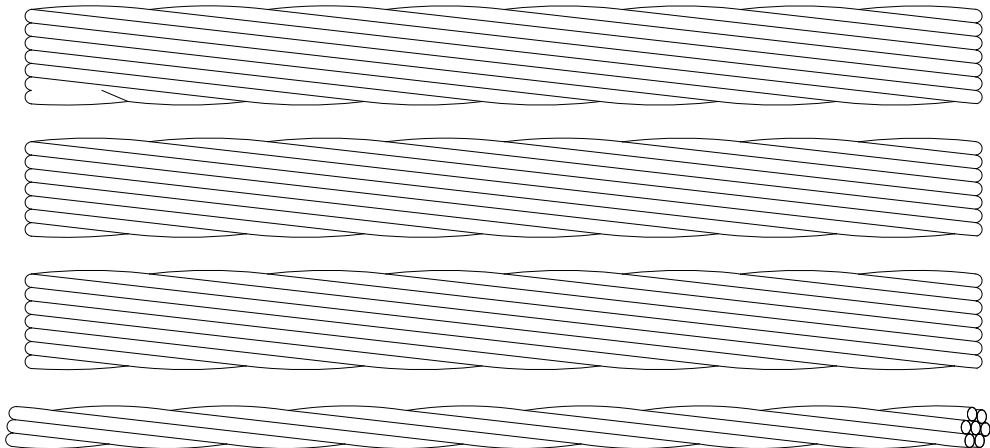
1208-20-01 1 PH 1/0 ACSR WITH 1/0 ACSR NEUT




1208-20-02 3 PH 1/0 ACSR WITH 1/0 NEUT



1208-20-03 3 PH 4/0 AAC WITH 4/0 AAC NEUT



1208-20-04 3 PH 795 MCM WITH 4/0 AAC NEUT

|                |   |  |
|----------------|---|--|
| <b>1208-20</b> | <b>CONDUCTORS AND HARDWARE</b><br><b>CONDUCTOR</b><br><b>WIRE COMBINATIONS - OVERHEAD PRIMARY</b> |  |
| Sheet 2 of 2   |   |  |
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**MU**

|              |               |                       |
|--------------|---------------|-----------------------|
| <b>MU-ID</b> | <b>MU-REF</b> | <b>MU-DESCRIPTION</b> |
|--------------|---------------|-----------------------|

|               |          |                                  |
|---------------|----------|----------------------------------|
| ARMMAST10ASSY | 12082001 | 1 PH 1/0 ACSR WITH 1/0 ACSR NEUT |
|---------------|----------|----------------------------------|

|                    |          |                                  |
|--------------------|----------|----------------------------------|
| 1PH1/0ACSR1/0ACSRN | 12082001 | 1 PH 1/0 ACSR WITH 1/0 ACSR NEUT |
|--------------------|----------|----------------------------------|

| ID | CU-REF   | CU-DESC       | QTY | MU-REF   |
|----|----------|---------------|-----|----------|
| A  | 12080105 | WIRE 1/0 ACSR | 2   | 12082001 |

|                    |          |                                 |
|--------------------|----------|---------------------------------|
| 3PH1/0ACSR1/0ACSRN | 12082002 | 3PH 1/0 ACSR WITH 1/0 ACSR NEUT |
|--------------------|----------|---------------------------------|

| ID | CU-REF   | CU-DESC       | QTY | MU-REF   |
|----|----------|---------------|-----|----------|
| A  | 12080105 | WIRE 1/0 ACSR | 4   | 12082002 |

|                  |          |                               |
|------------------|----------|-------------------------------|
| 3PH4/0AAC4/0AACN | 12082003 | 3PH 4/0 AAC WITH 4/0 AAC NEUT |
|------------------|----------|-------------------------------|

| ID | CU-REF   | CU-DESC      | QTY | MU-REF   |
|----|----------|--------------|-----|----------|
| A  | 12080111 | WIRE 4/0 AAC | 4   | 12082003 |

|                  |          |                               |
|------------------|----------|-------------------------------|
| 3PH795MCM4/0AACN | 12082004 | 3PH 795 MCM WITH 4/0 AAC NEUT |
|------------------|----------|-------------------------------|

| ID | CU-REF   | CU-DESC      | QTY | MU-REF   |
|----|----------|--------------|-----|----------|
| A  | 12080125 | WIRE 795 MCM | 3   | 12082004 |
| B  | 12080111 | WIRE 4/0 AAC | 1   | 12082004 |