

PART 1 - GENERAL

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| <u>1.1 SECTION INCLUDES</u> | .1 | Materials and installation for wire and box connectors. |
| <u>1.2 RELATED SECTIONS</u> | .1 | Section 26 05 21 - Wire and Cables (0-1000V). |
| | .2 | Section 26 05 32 - Outlet Boxes, Conduit Boxes and Fittings. |
| <u>1.3 REFERENCES</u> | .1 | Canadian Standards Association (CSA International)
.1 CAN/CSA-C22.2 No.18-98, Outlet Boxes, Conduit Boxes, Fittings and Associated Hardware.
.2 CSA C22.2 No.65-03, Wire Connectors. |
| | .2 | Electrical and Electronic Manufacturers' Association of Canada (EEMAC)
.1 EEMAC 1Y-2, 1961 Bushing Stud Connectors and Aluminum Adapters (1200 Ampere Maximum Rating). |
| | .3 | National Electrical Manufacturers Association (NEMA) |
| <u>1.4 WASTE MANAGEMENT AND DISPOSAL</u> | .1 | Separate and recycle waste materials in accordance with Section 26 05 00 - Common Work Results - Electrical. |

PART 2 - PRODUCTS

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| <u>2.1 MATERIALS</u> | .1 | Pressure type wire connectors to: CSA C22.2 No.65, with current carrying parts of copper or aluminum sized to fit copper or aluminum conductors as required. |
| | .2 | Fixture type splicing connectors to: CSA C22.2 No.65, with current carrying parts of copper sized to fit copper conductors 10 AWG or less. |
| | .3 | Bushing stud connectors: to EEMAC 1Y-2 to consist of:
.1 Connector body and stud clamp for conductors. |
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- 2.1 MATERIALS
(Cont'd)
- .3 Bushing stud connectors: (Cont'd)
 - .2 Stud clamp bolts.
 - .3 Bolts for copper conductors.
 - .4 Bolts for aluminum conductors.
 - .5 Sized for conductors as indicated.
 - .4 Clamps or connectors for armoured cable, aluminum sheathed cable, mineral insulated cable, flexible conduit, non-metallic sheathed cable as required to: CAN/CSA-C22.2 No.18.

PART 3 - EXECUTION

- 3.1 INSTALLATION
- .1 Remove insulation carefully from ends of conductors and:
 - .1 Apply coat of zinc joint compound on aluminum conductors prior to installation of connectors.
 - .2 Install mechanical pressure type connectors and tighten screws with appropriate compression tool recommended by manufacturer. Installation shall meet secureness tests in accordance with CSA C22.2 No.65.
 - .3 Install fixture type connectors and tighten. Replace insulating cap.
 - .4 Install bushing stud connectors in accordance with EEMAC 1Y-2.
 - .5 Install crimp type connectors.
 - .6 Install box connectors.