

Electrical – Conduits, Conduit Fastening and Conduit Fittings
Section 26 05 34

PART 1 GENERAL

1.1 REFERENCE STANDARDS

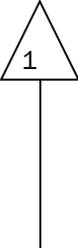
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- .1 Canadian Standards Association (CSA International).
 - .1 CAN/CSA C22.2 No. 18, Outlet Boxes, Conduit Boxes, Fittings and Associated Hardware, A National Standard of Canada.
 - .2 CSA C22.2 No. 45.1 - Rigid Metal Conduit - Steel.
 - .3 Not used
 - .2 National Electrical Manufacturers Association (NEMA)
 - .1 NEMA RN-1 - Polyvinyl-Chloride (PVC) Externally Coated Galvanized Rigid Steel Conduit and Intermediate Metal Conduit

1.2 DOCUMENTS/SAMPLES TO BE SUBMITTED FOR APPROVAL/INFORMATION

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product data: submit manufacturer's printed product literature, specifications and datasheets.

PART 2 PRODUCTS

2.1 CONDUITS

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- .1 General usage: hot steel galvanized rigid metal conduit in accordance to CSA C22.2 No. 45.1,
 - .2 In the lock:
 - .1 Hot steel galvanized rigid metal conduit with PVC coated in accordance to CSA C22.2 No. 45.1 and NEMA RN-1.
 - .2 Manufacturer and model : Ocal Blue by Thomas and Betts or equivalent approved.

2.2 CONDUIT FASTENINGS

- .1 One-hole steel strap to secure surface conduits 52 mm and smaller. Two-hole steel straps for conduits larger than 52 mm.

2.3 CONDUIT FITTINGS

- .1 Fittings: to CAN/CSA C22.2 No. 18, manufactured for use with conduit specified. Coating: same as conduit.
- .2 Ensure factory "ells" where 90 degrees bends for 25 mm and larger conduits.
- .3 Set-screws are not acceptable.

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2.4 FISH CORD

- .1 Industrial type polypropylene, diameter equal or superior to 6 mm.

PART 3 EXECUTION

3.1 EXAMINATION

- .1 As per manufacturer's instructions
- .2 Check for conformity to manufacturer's requirements, recommendations and specification including all technical bulletins available and applicable related to storage and installation and to product data sheets.

3.2 INSTALLATION



- .1 Not used
- .2 Install conduits to conserve headroom in exposed locations and cause minimum interference in spaces through which they pass.
- .3 Unless otherwise indicated, use rigid galvanized steel threaded conduits and not EMT.
- .4 Minimum conduit size for lighting and power circuits: 19 mm.
- .5 Steel conduits shall be cold-bended.
 - .1 Replace conduits if deformation during bending has reduce its diameter by at least 10 %.
- .6 Mechanically bend steel conduits of 19 mm diameter.
- .7 Threads on rigid conduit shall be done at site. They must be of enough length to draw conduits up tight.
- .8 Seal adequately the conduit joints on the bottom of the lock to avoid any water infiltration.
- .9 Install fish cord in empty conduits.
- .10 Remove and replace blocked conduit sections; do not use liquid to clean out conduits.
- .11 Dry out conduits before installing wire.
- .12 Seal conduit ends after installing cables.

3.3 LOCK DOWNSTREAM CONDUIT CLEANING AND VERIFICATION

- .1 Use a mandrel to clean the empty conduits.
- .2 Check the conduit condition. They shall permit the cable installation without any risk of damages.
- .3 Install a fish cord in each conduit.

END OF SECTION