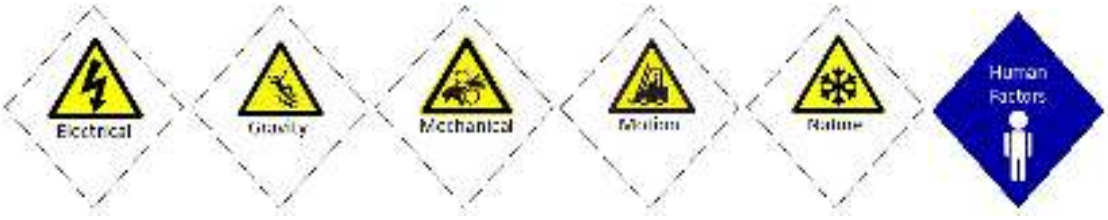
SAFE JOB PROCEDURE **SJP-EI-09**

Revised: February 2021 **Pulling Wire in Conduit**

PURPOSE/APPLICATION

To provide guidance on safely pulling wire in a conduit.

COMMON HAZARD SOURCES AND CONCERNS



PPE

- Strike Minimum Requirements (Hard Hat, Safety Glasses, Safety Footwear, Appropriate Protective Clothing)
- Gloves
- Other PPE as per HIAC (Goggles for Drilling, Hearing Protection, Reflective Vest, Face Shield, Fall Protection Equipment, FRC)

TRAINING

- Strike Minimum Training
- Fall protection training (Where Required)
- AWP Training and Competency Assessment (Where Require)

TOOLS/EQUIPMENT

The following Equipment may be required

- Fish tape
- Tape
- Two Way Radio
- Wire Lube
- Ladders
- AWP
- Wire rack and reel stands
- Wire Cutters
- Klein Tool

PRE-JOB ACTIVITIES

1. Inspect all Tools and Equipment – Complete daily pre use inspection of all tools and equipment
2. Assess the work using the HIAC methodology
3. Inspect fall protection equipment prior to use using
4. Complete a fall protection and rescue plan using CF-S-28 (where required)

#	Job Steps	Hazards and Concerns	Control Measures
1.	Clean work area and measure lengths of wire	▪ Gravity - tripping hazards	▪ Flagg off work area where required ▪ Communicate with all workers in the area
2.	Set up wire rack	▪ Gravity/human Factors -Heavy lifting	▪ Utilize proper lifting procedure SWP 22 Material Handling, use two people when required
3.	Set up ladders	▪ Gravity - uneven ground, working at heights	▪ Inspect all ladders prior to use ▪ Perform work in accordance with SWP 25 Ladders ▪ Maintain three-point contact ▪ Never work backwards or on the top two rungs of a ladder ▪ Use all fall protection equipment where required
4.	Push fish tape down conduit and attach wires	▪ Motion - pinch points, sharp edges ▪ Electrical - energy	▪ Lockout and verify that all equipment is deenergized – Follow COP 05 Lock out – Tag Out
5.	Pull Wire	▪ Motion - pinch points, Sharp edges, awkward body position, Overexertion, flailing wire ends, line of fire ▪ Gravity - Working at heights ▪ Human Factors - fatigue	▪ Pull away from your body ▪ Wear gloves ▪ Maintain communication between feeder and puller, use radios as required ▪ Stretch before beginning the task ▪ Maintain body positioning, work in teams as required ▪ Take micro breaks where required ▪ Ensure that during hoisting with rope, an approved knot is used to prevent from coming undone. See SWP 55 Rigging for approved knots to be used ▪ Fall protection plan if height is over 1.6m or if there is an unusual possibility of injury, or as per client requirements
6.	Clean Up	▪ Motion - Tripping hazards	▪ Roll up any excess wire ▪ Maintain proper housekeeping ▪ Wear gloves

REFERENCES/ADDITIONAL INFORMATION

Strike Safe Work Practice

- SWP 18 – Tools/Equipment/Machinery
- SWP 22 – Material Handling
- SWP 20 – Working at Heights
- SWP 25 – Ladders
- COP 05 - LOTO

REGULATIONS

Alberta OH&S Code

- Part 8 – Entrances, Walkways, Stairways and ladders
- Part 9 – Fall Protection
- Part 14 – Lifting and Handling Loads

Saskatchewan OH&S Regulations

- Part 16 - Entrances, Exits and Ladders
- Part 30 – Additional Protection for Electrical Workers

Manitoba OH&S Regulations

- Part 38 – Electrical Safety
- Part 14 – Fall Protection
- Part – 13 Entrances, Exits, Stairways, Ladders

BC OHS Regulations

- Part 11 Fall Protection
- Part 13 Ladders, Scaffolds and Temporary Work Platforms
- Part 19 Electrical Safety

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