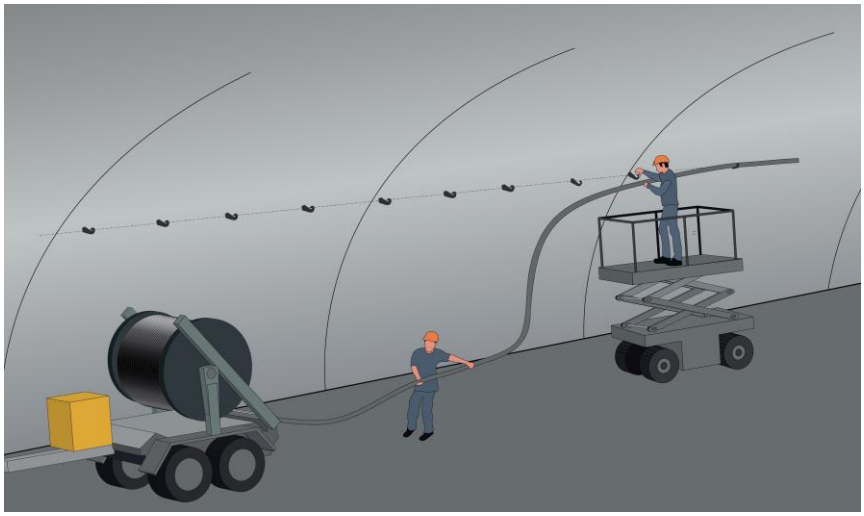
ProSoft® TECHNOLOGY

Where Automation Connects.



Radiating Cables

RCL/RCH

March 6,2014

INSTALLATION GUIDE

Your Feedback Please

We always want you to feel that you made the right decision to use our products. If you have suggestions, comments, compliments or complaints about our products, documentation, or support, please write or call us.

How to Contact Us

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Radiating Cables Installation Guide
March 6, 2014

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ProSoft Technology® Product Documentation

In an effort to conserve paper, ProSoft Technology no longer includes printed manuals with our product shipments. User Manuals, Datasheets, Sample Ladder Files, and Configuration Files are provided from our web site: **www.prosoft-technology.com**

Disclaimer

This installation manual is provided to help assist in part selection and Radiating Cable installation. Please contact ProSoft Technology Technical Support to review and assist with your application.

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1 Start Here

1.1 Safety

Please use proper safety guidelines when installing Radiating Cable. This can be achieved by:

Cordoning-off the Working Area using:

- Warning Signs
- Warning Cones
- Warning Lights
- Warning Tape

Keeping Emergency Access and Emergency Routes Clear of:

- Materials
- Tolls
- Vehicles

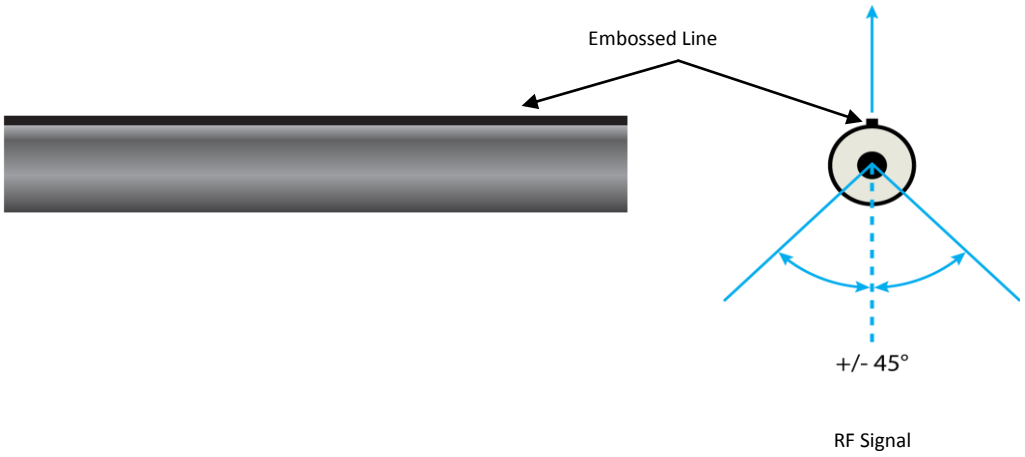
Taking proper Fire Precautions by ensuring that easily inflammable materials should be:

- Kept to a minimum
- Disposed of immediately if not necessary
- Brought into the area only in the amount required

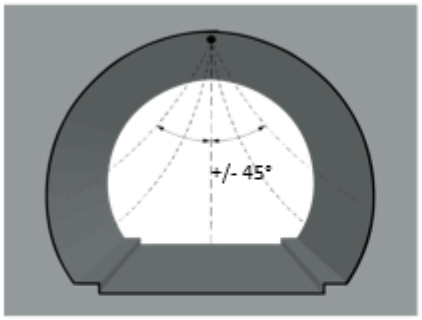
Caution: You must be able to complete the application without exposing personnel or equipment to unsafe or inappropriate working conditions.

2 Slot Orientation for Radiating Cables

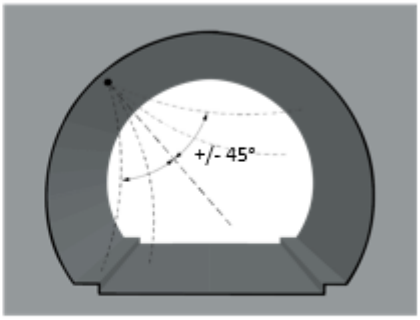
Radiating Cable is constructed with slots. These slots must be oriented toward the area requiring coverage. The slots are located 180° opposite to an embossed line on the jacket.



The diagram below shows the electric field lines in various installations.



Electric field lines with the RC hung in the center of the ceiling

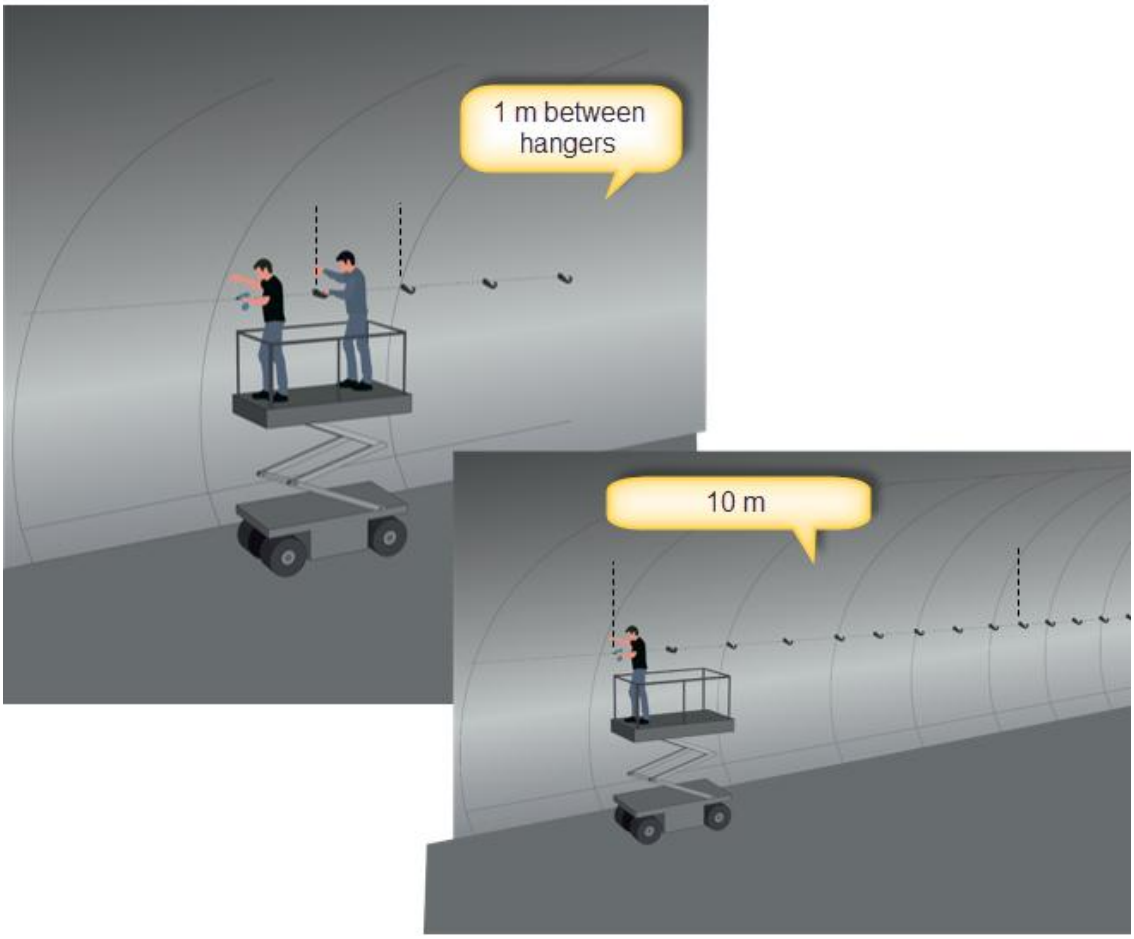


Electric field lines with the RC hung at one side

3 Installing Radiating Cable

The RC cable is mounted with hangers. A hanger should be mounted every 3 feet (1 meter). Every 33 feet (10 meters), the hanger should be fire resistant.

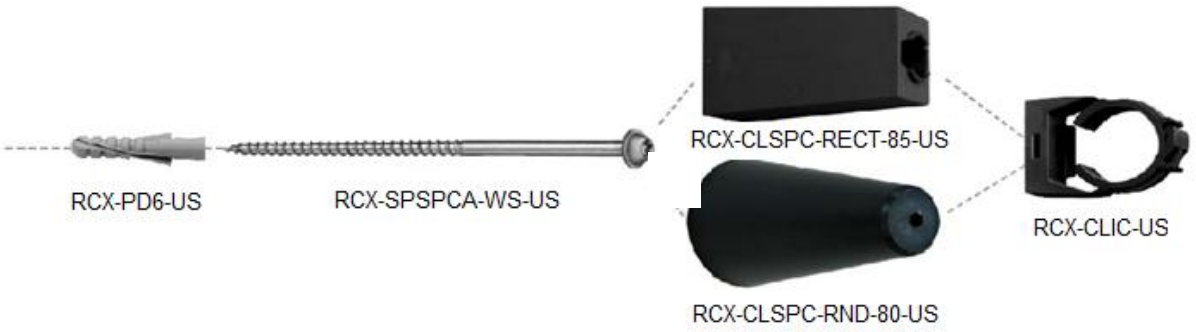
The recommended hangers are the Clip Hander (fire resistant) and Clic Clamp.



There are multiple installation options for the Clip Hanger and Clic Camp possible, depending on your environment. Contact ProSoft Technology for more information.

3.1 Installing the Clip Hanger

3.2 Installing the Clic Clamp

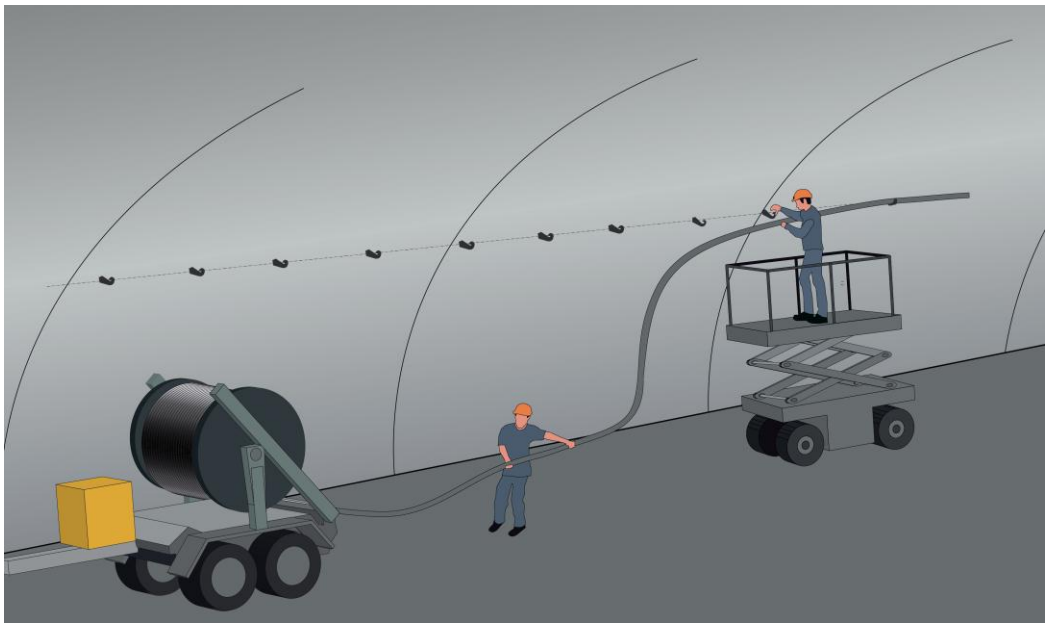


1 Drill a 6mm hole in insert the nylon plug into the wall.
2 Connect the Clic Clamp to the Spacer as shown.

4 Cable Termination

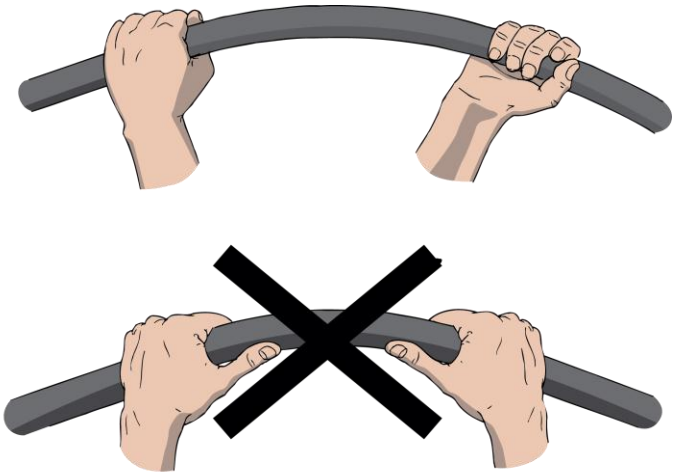
Radiating Cable must be terminated. Use ProSoft Technology part number RLX-LFTR-40 to terminate the cable.

5 Cable Hanging and Fixing

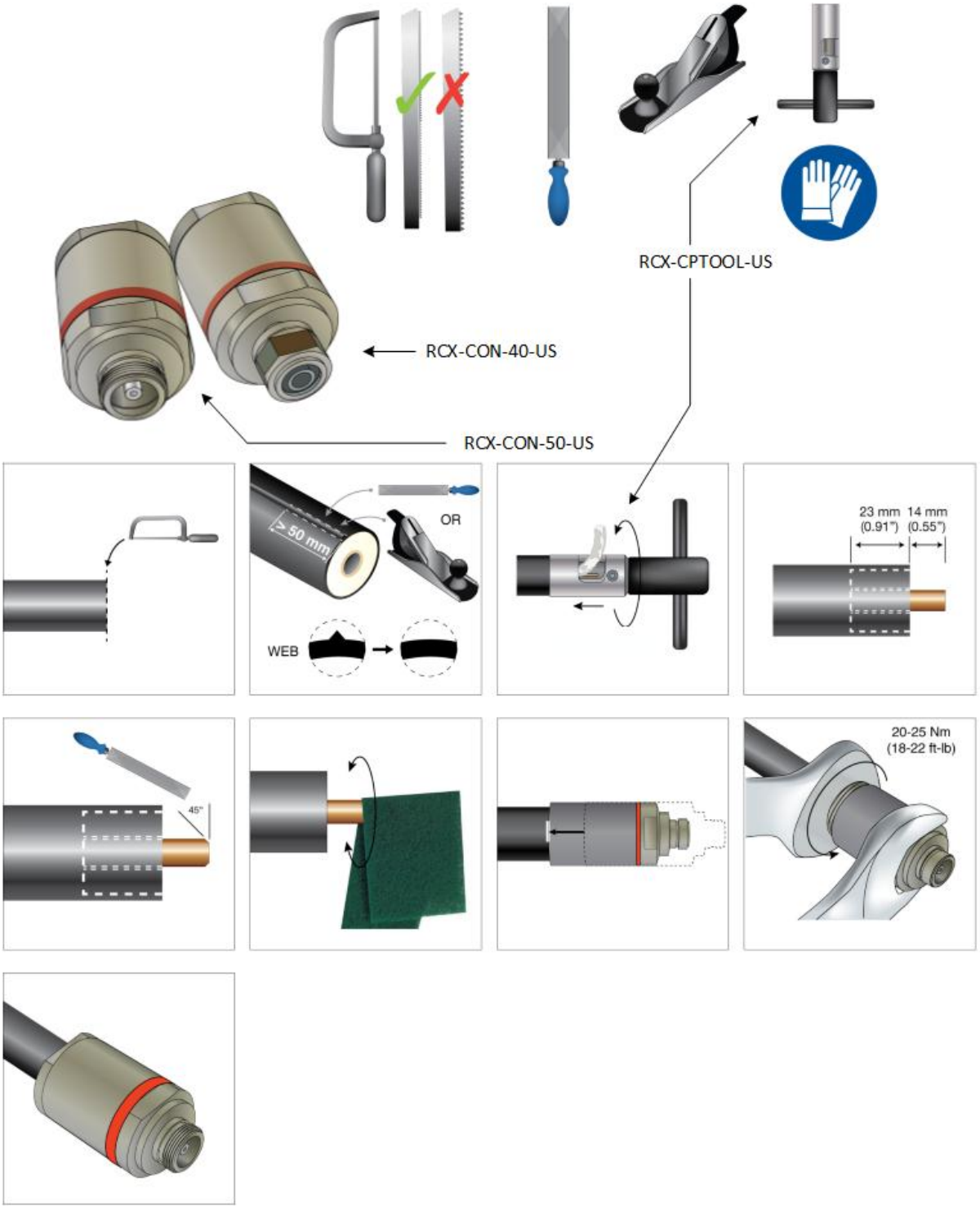


5.1 Bending RF Cables

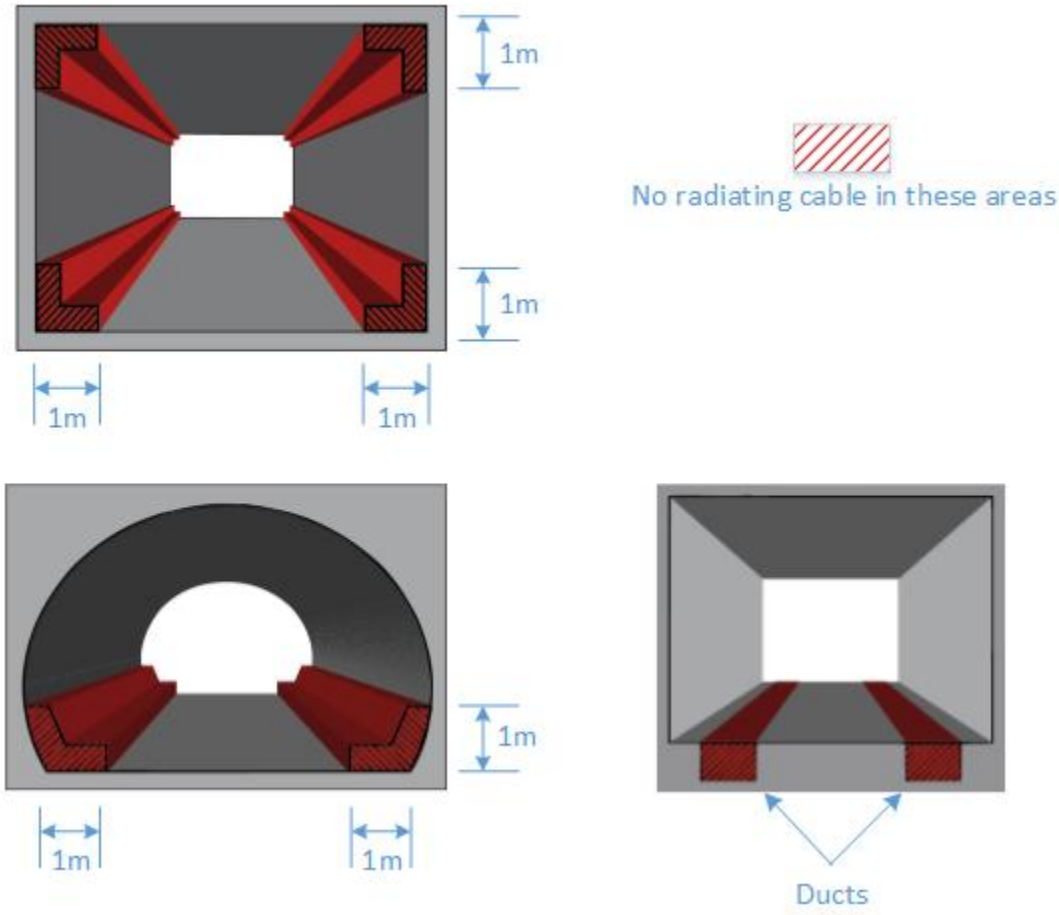
Care should be taken when bending RF cables. The following diagram shows the right and wrong way to bend cable. Bending the wrong way may cause damage to the cable.



5.2 Connector Installation for Radiating Cables ½-inch



5.3 Radiating Cable Positioning in Tunnels



6 Support, Service & Warranty

6.1 Contacting Technical Support

ProSoft Technology, Inc. (ProSoft) is committed to providing the most efficient and effective support possible. Before calling, please gather the following information to assist in expediting this process:

1 Product Version Number
2 System architecture
3 Network details

If the issue is hardware related, we will also need information regarding:

1 Module configuration and associated ladder files, if any
2 Module operation and any unusual behavior
3 Configuration/Debug status information
4 LED patterns
5 Details about the serial, Ethernet or fieldbus devices interfaced to the module, if any.

Note: *For technical support calls within the United States, an after-hours answering system allows 24-hour/7-days-a-week pager access to one of our qualified Technical and/or Application Support Engineers. Detailed contact information for all our worldwide locations is available on the following page.*

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Asia Pacific (location in Malaysia)	Tel: +603.7724.2080, E-mail: asiapc@prosoft-technology.com Languages spoken include: Chinese, English
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6.2 Warranty Information

For complete details regarding ProSoft Technology's TERMS & CONDITIONS OF SALE, WARRANTY, SUPPORT, SERVICE AND RETURN MATERIAL AUTHORIZATION INSTRUCTIONS please see the documents on the Product DVD or go to www.prosoft-technology/warranty

Documentation is subject to change without notice.