

Pedestal Base Installation

CenturyLink Pedestals

General Description and Installation

1. GENERAL INTRODUCTION

1.1. Document Purpose

This document provides general information for recommended base installation procedures for pedestals used by CenturyLink.

-NOTE-
Hereafter, "pedestal" will refer to any of the CenturyLink copper or fiber equipped enclosures.

1.2. Product Purpose

The pedestals are designed to be protective enclosures for copper splices or fiber terminals and associated slack cable.

1.3. Product Mounting and Location

These pedestals are suitable for outside plant-type (OSP) locations for direct buried applications. Detailed installation information is covered in Section 3.

2. PRODUCT DESCRIPTION

CenturyLink pedestals are available with a selection of base types. Each base type may not be available on each type of pedestal. This document covers the CenturyLink pedestal models and styles listed in Tables 1-4.

Round Base with Mounting Stake	
BDO 40TM/CL	Fiber terminal, 8-inch
BDO 50TM/CL	Fiber terminal, 10-inch
BDO 70TM/CL	Fiber terminal, 14-inch
Round Base with Pole Mounting Bracket	
BDO 40TA/CL	Fiber terminal, 8-inch
BDO 50TA/CL	Fiber terminal, 10-inch
BDO 70TA/CL	Fiber terminal, 14-inch
Round Integra I-Stake Base (I-stake)	
BDO 4IT/CL	Fiber terminal, 8-inch
BDO 5IT/CL	Fiber terminal, 10-inch
BDO 7IT/CL	Fiber terminal, 14-inch
Round Extra Long Integra I-Stake Base (XL I-stake)	
BDO 4XT/CL	Fiber terminal, 8-inch
BDO 5XT/CL	Fiber terminal, 10-inch
BDO 7XT/CL	Fiber terminal, 14-inch
Expanded Square Base	
BDO 5-ETSM/CL	Fiber terminal w/splice, 10-inch

Table 1 CenturyLink Part Numbers

Round Base with Mounting Stake	
CPLS 6M/CL	Copper splice, 6-inch
CPLS 8M/CL	Copper splice, 8 inch
CPLS12M/CL	Copper splice, 12-inch
CPLS14M/CL	Copper splice, 14-inch
Round Base with Pole Mounting Bracket	
CPLS 6A/CL	Copper splice, 6-inch
CPLS 8A/CL	Copper splice, 8-inch
CPLS12A/CL	Copper splice, 12-inch
CPLS14A/CL	Copper splice, 14-inch
Round Integral Stake Base (I-stake)	
CPLS 6-I/CL	Copper splice, 6-inch
CPLS 8-I/CL	Copper splice, 8-inch
CPLS12-I/CL	Copper splice, 12-inch
CPLS14-I/CL	Copper splice, 14-inch
Round Extra Long Integral Stake Base (XL I-stake)	
CPLS 6-XL/CL	Copper splice, 6-inch
CPLS 8-XL/CL	Copper splice, 8-inch
CPLS12-XL/CL	Copper splice, 12-inch
CPLS14-XL/CL	Copper splice, 14-inch
Round Rehabilitation Base	
CPLS 6RM/CL	Copper splice, 6-inch

Table 2 S-Bracket Equipped Pedestals

Round Base with Mounting Stake	
CPLU 6M/CL	Copper term, 6-inch
CPLU 8M/CL	Copper term, 8 inch
CPLU10M/CL	Copper term, 10 inch
Round Base with Pole Mounting Bracket	
CPLU 6A/CL	Copper term, 6-inch
CPLU 8A/CL	Copper term, 8 inch
CPLS10A/CL	Copper term, 10 inch
Round Integral Stake Base (I-stake)	
CPLU 6-I/CL	Copper term, 6-inch
CPLU 8-I/CL	Copper term, 8 inch
CPLU10-I/CL	Copper term, 10 inch
Round Extra Long Integral Stake Base (XL I-stake)	
CPLU 6-XL/CL	Copper term, 6-inch
CPLU 8-XL/CL	Copper term, 8 inch
CPLU10-XL/CL	Copper term, 10 inch

Table 3 Universal Terminal Backboard Equipped Pedestals

Standard Round with Metal Stake (M)		X-Long (50") Integral Stake Base (XL)	
Standard Round with Pole Mount Bracket (A)		Round Rehab (split) Base (R)	
Integral Stake Base (I)		Expanded Square Split Base (E)	

Table 4 Pedestal Base Styles

3. INSTALLATION

1. Remove the dome and backboard or bracket from the pedestal and set them aside for later use. If not already installed, seat the drop wire channel into the stays (tabs) inside the base. The top of the channel should be pushed up against the stops near the top lip of the base. Insert the foam plug into the top of the channel, leaving 1/3 to 1/2 of the plug positioned above the top of the channel (Figure 1).
2. Feed the cable up through the bottom of the base and guide it out the top. Begin cable loops as low as possible in the trench or pit so as not to interfere with the installation.
3. Always follow local codes and company practice when preparing the earth ground and when grounding cables/equipment. Per local company practice, prepare an earth ground for the pedestal at or near the base.
4. **STAKE MOUNT (round or rehab base):** Position the mounting stake inside the line of the cable with the base facing out. Drive the stake until approximately 4" remain above the final grade level. Attach the base to the stake (Figure 1).
5. **POLE MOUNT (round or rehab base):** Position the bracket on the pole so that the ground line marker is at the final grade level. Fasten the bracket to the pole with the lag screws provided (Figure 2).
6. **INTEGRAL STAKE BASE (I-stake and XL I-stake):** Position the base inside the line of the cable with the open section facing out. If additional depth is required, push the cable toward the front of the base and place a board across the top of the base behind the cable. With a hammer or mallet, drive the base further into the ground until the ground line marker is at final grade level. This level ensures easy placement and/or removal of the pedestal dome, and allows proper ventilation (Figure 3).
7. **SQUARE BASE:** Position the base and level per company practice. As the trench is backfilled, periodically tamp the soil, always pushing the soil toward the base to help remove air from the backfill soil, making settling less likely to occur. Alternately, backfill the base, inside and outside, tamping the soil as it is added. Ensure that the soil on the inside of the base is even with the top of the second rib from the bottom. On the outside, ensure the backfill is even with or above the ground line (Figure 4).

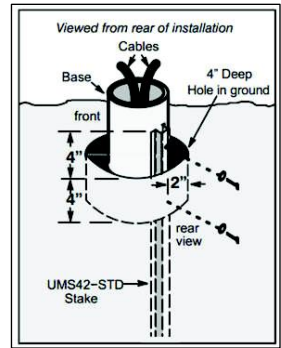


Figure 1 Stake Mount, Round Base

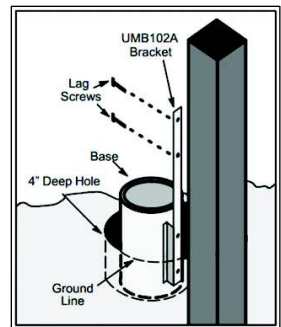


Figure 2 Pole Mount, Round Base

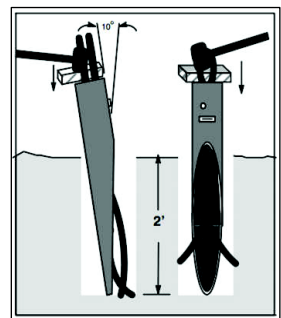


Figure 3 Integral Stake Base

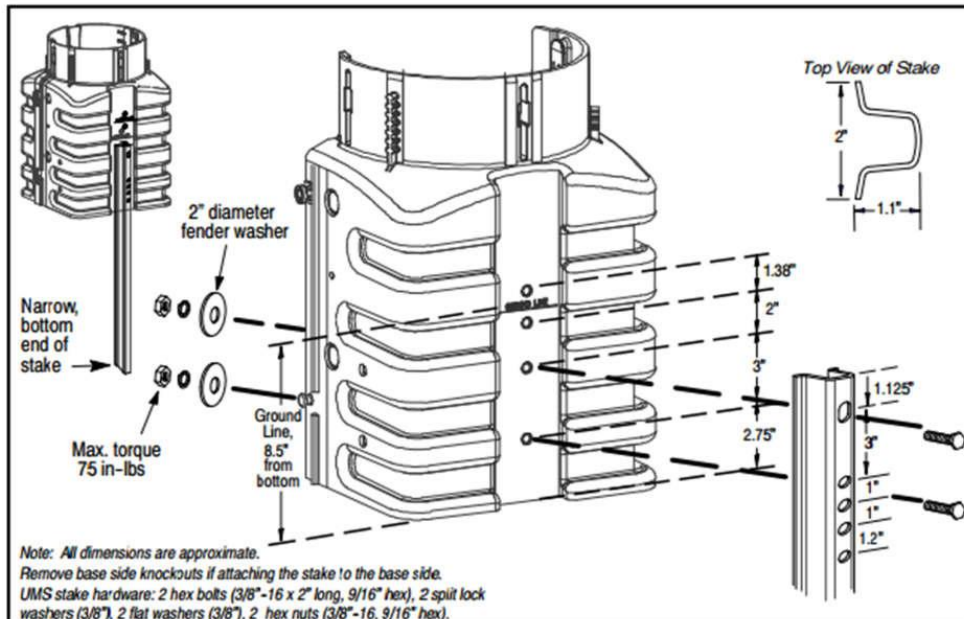


Figure 4 Expanded Split Square Base

8. Back fill the trench or pit around the pedestal and tamp the soil firmly. Back fill dirt into the base to approximately the ground line and tamp firmly. This will add stability and prevent gravel from falling out through the bottom of the base after placement.
9. Locate the red plastic moisture barrier sheet included with the pedestal. This sheet is critical to reducing moisture build up within the pedestal. Insert the bag into the base on top of the fill dirt, fitting it around the cables.
10. Add approximately 5” of clean, dry pea gravel or Pedestal Integrity Guard (an expanded foam base gravel substitute) to the inside of the base. The gravel used should be no larger than 5/8 inch in size and non-porous (Table 5 outlines the approximate quantity of gravel by base type and size).
11. Install the backplane bracket onto the base.
12. Dress cables per company’s local site practices.

4. DROP WIRE ACCESS (KNOCKOUT)

Each pedestal base is equipped with a knockout for installation of a temporary service drop. Remove the knockout using the following steps.

1. Do not use a hammer and screwdriver.
2. Using a utility knife, work the blade into the recessed portion of the knockout at several locations around the knockout.
3. Moving the blade, puncture the material around the circumference of the knockout.
4. After pushing the blade through the knockout at several locations, remove the knockout.
5. A rubber knockout plug is available to close the knockout hole after removing the temporary drop cable (Charles 010376-F).

5. FIBER CABLE PREPARATION INSTRUCTIONS

Instructions for recommended fiber cable preparation is provided within cabling instruction sheets included with the fiber organizer (backplane) within the pedestal.

6. GRAVEL RECOMMENDATIONS

Material Type: 3/8" x 5/8" or 3/8" to 1" stone or gravel, size number 56 per ASTM standard sizes of coarse aggregate for highway concrete D-448.

Base Type	Base Volume (in ³ at 5" depth)*	Estimated Gravel Weight Per Pedestal (lbs)
4" round	65	2
6" round	150	4
8" round	232	7
10" round	413	12
12" round	589	17
14" round	713	20
6" square	302	9
8" square	407	11
10" square	599	17
12" square	871	24
CMPH-EMBQ and FN	1466	41
CMPH-4510	1215	34

* Recommended Gravel Depth

Table 5 Gravel Recommendations

7. TECHNICAL ASSISTANCE AND REPAIR SERVICE

For questions on product repair or if technical assistance is required, contact Charles Technical Support.

847-806-8500
techserv@charlesindustries.com (email)
<http://www.charlesindustries.com/techserv.htm>

8. WARRANTY & CUSTOMER SERVICE

Charles Industries, Ltd. offers a five-year warranty on the pedestal products. The Charles warranty is limited to the operation of the pedestal hardware as described in this documentation and does not cover equipment which may be integrated by a third party. The terms and conditions applicable to any specific sale of product shall be defined in the resulting sales contract. For questions on warranty or other customer service assistance, contact your Charles Customer Service Representative.

847-806-6300
mktserv@charlesindustries.com (email)
http://www.charlesindustries.com/main/telecom_sales_support.htm