



# MVT 3510UD Series

## 35kV Medium Voltage URD Termination

Class 1 terminator for single conductor 35kV Bare & jacketed concentric neutral power cable

### Description

The Innovative Power Products MVT 3510UD series Class I terminator is a heatshrinkable 35kV termination for both bare and jacketed concentric neutral power cables. The IPP MVT 3510UDE series terminator is for applications where the terminator is exposed to precipitation or direct sunlight.

MVT kits provide a lightweight, compact and flexible alternative to porcelain terminators. These features allow the installation of the system in low profile switchgear and other enclosures requiring multiple cable-to-busbar connections. This terminator adds no significant weight to the cable, therefore no special hardware is required to support the completed termination. It can be connected directly to the cut-out or overhead line without a separate crossarm.

### Versatility

MVT 3510UD kits cover a wide range of conductor sizes and shapes. They accommodate out-of-round or off-tolerance cables. The standard kits fit both bare concentric neutral, and jacketed concentric neutral power cables. Three (3) kit sizes cover all cable sizes from 1 AWG through 2000 kcmil.

### Performance

MVT kits are factory engineered to provide fast and easy installation with reliable performance.

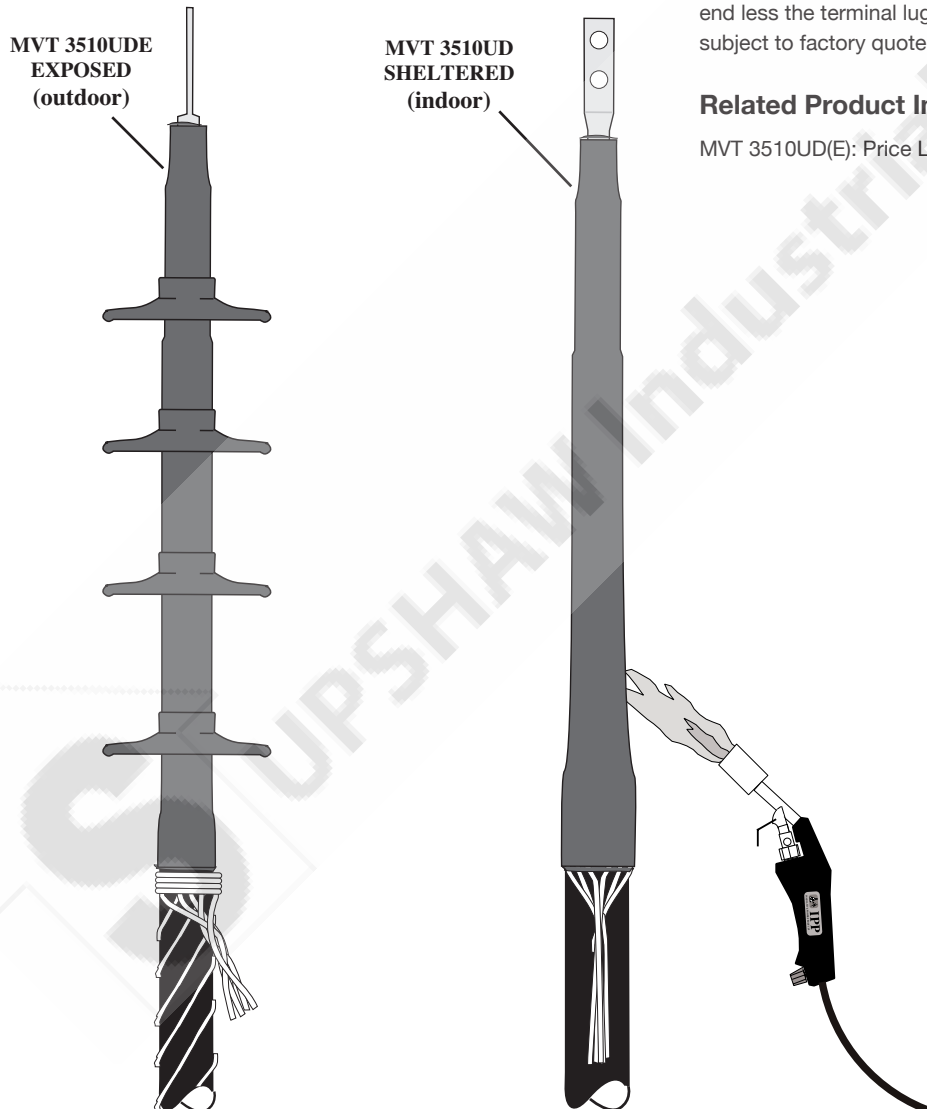
All MVT kits are designed to meet or exceed the requirements of IEEE-48 for Alternating Current Cable Terminations.

### Convenient Packaging

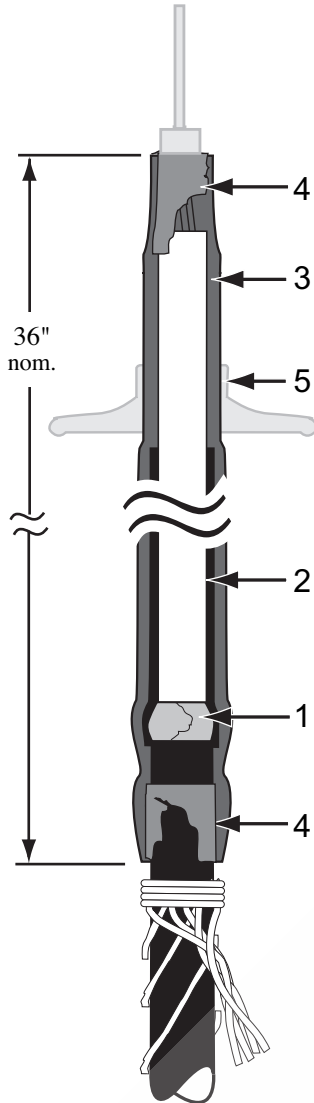
The kits are packaged to provide one each, single-core terminator per box. Everything is included to terminate one single core cable end less the terminal lugs. Connectors can be supplied in the kits; subject to factory quote. See section 5 for connector information.

### Related Product Information

MVT 3510UD(E): Price List PL-651



## Electrical Specifications: 35kV Related Accessories



Test Requirement	Value	MVT 3510UD
AC withstand, 1 minute (60 hz)	90 kV	PASS
DC withstand, 15 minutes	140 kV	PASS
Discharge Extinction Voltage (<3pC)	33.3 kV	> 33.3kV
Impulse withstand 1.2 x 50 μs (crest kV)	200 kV	> 200kV
Wet withstand, 10 seconds	80 kV	PASS
Dry withstand, 6 hours	75 kV	PASS
Continuous current rating	= Cable	= Cable

## Bill of Materials: Std. Pkg: 1 kit = 1 each, 1/C termination/box

Key	Item Description	Quantity	Supplied
1	Field Control Material	1 strip	In All Kits
2	Field Control Tubing	1 tube	In All Kits
3	Non-Tracking Tubing	1 tube	In All Kits
4	Sealant Strips	as required	In All Kits
-	Installation Guide	1 each	In All Kits

## Options: Modification Kits

Key	Item Description	Quantity	Nomenclature
5	Non-Tracking Sheds	4 pieces	E - Emod Kit**
-	Cable Cleaning Kit (Not Shown)	1 kit	P - Pmod Kit**
-	Terminal Lugs	1 pieces	Factory Quoted*

## 35kV Selection Guide

Conductor Range <i>All Dimensions in Inches</i>	Kit Catalog Number	Insulation Diameter	Jacket Diameter
1 - 4/0 AWG	MVT 3511UD	1.05 - 1.40	1.10 - 1.90
250 - 1000 kcmil	MVT 3512UD	1.30 - 2.00	1.35 - 2.50
1250 - 2000 kcmil	MVT 3513UD	2.00 - 2.75	2.05 - 3.30

## Ordering Information

1. Select the kit catalog number by the cable size. A standard package contains everything needed to terminate one (1) single-core (1/C) cables, less the connectors, for sheltered (indoor) use. **Confirm the dimensions when at the extremes of the size range.**

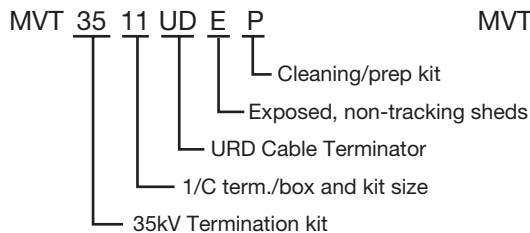
2. Add the mod kit letter designation as needed to change the base kit:

E - sheds are required for exposed (outdoor) environments.

P - cable cleaning kit (Pmod)

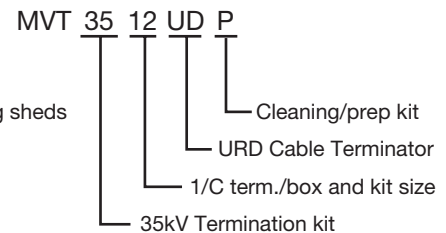
### EXAMPLE:

For 1/C, 2/0 AWG, 35kV cable to be installed in an exposed (outdoor) environment, including a cable cleaning kit:



### EXAMPLE:

For 1/C, 350 kcmil, 35kV cable to be installed in a sheltered (indoor) environment, including a cable cleaning kit:



\* CONNECTORS: To have connectors supplied in the kits, please refer to Section 5 in this catalog for connector selection information. The connectors must be ordered separately but can be packaged within the kits if detailed information is supplied. \*\* Supplied if specified. \*\*\* WRAPAROUND SLEEVE with stainless steel channel-Contact IPP for more information.