



LFDF series

5-35 kV Live-front to Dead-front conversion kit for bare concentric neutral and all extruded dielectric, jacketed power cable constructions

Description

The INNOVATIVE POWER PRODUCTS, INC. LFDF series kit is a heatshrinkable system for reestablishing the insulation shield on live-front terminated cable ends. When live-front terminations or joints are to be replaced by premolded devices that require shorter cutback lengths, it is sometimes necessary to extend the cable's shield cutback with a sealed system. A heatshrinkable conductive tubing with the same wall thickness and electrical properties as those required by AEIC CS5 & 6, extends the primary insulation shield. A heat activated sealant forms an internal seal to the cable's semiconductive layer below the old cutback.

Versatility

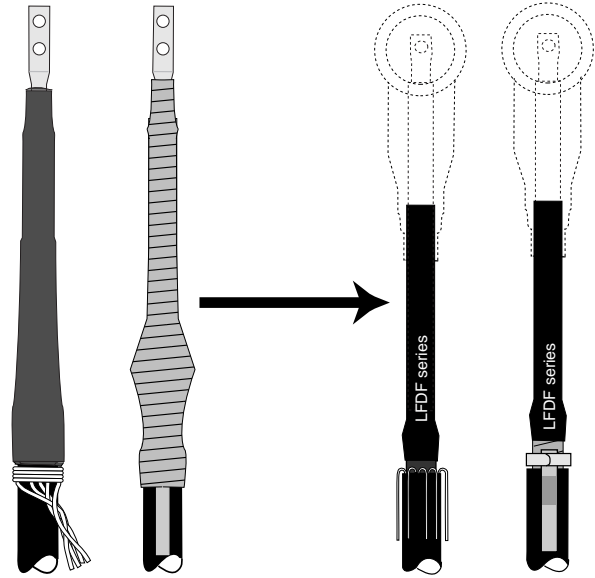
LFDF conversion kits provide a lightweight, compact and environmentally sealed system for extending the insulation shield on all types of 5-35 kV shielded power cable by up to twenty-one inches (21"). The kit is compatible with both XLPE and EPR primary insulations. LFDF series kits kits cover a wide range of conductor sizes. Four (4) kit sizes cover all 5-35 kV cable sizes from #4 AWG through 1000 kcmil.

Performance

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

LFDF series kit's performance is based on the design and testing of the IPP MVJ series joint.

Electrical properties of the shielding tube are on page 27.



Live-front Termination to Dead-front Termination

Convenient Packaging

LFDF series factory engineered kits are individually packaged for single-core cable ends. Standard package is three (3) each, single-core (1/C) kits per box.

Related Product Information

LFDF conversion kit series: • Price List PL-735

Selection and Ordering Information

| Conductor Size | 5-8 kV | | 8 kV | 15 kV | | 25 kV | | 28 kV | 28-35 kV | |
|----------------|--------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| | 90 mil | 115 mil | 140 mil | 175 mil | 220 mil | 260 mil | 320 mil | 280 mil | 345 mil | 420 mil |
| #4 AWG | LFDF-1 | LFDF-1 | LFDF-1 | | | | | | | |
| #2 AWG | LFDF-1 | LFDF-1 | LFDF-1 | LFDF-2 | | | | | | |
| #1 AWG | LFDF-1 | LFDF-1 | LFDF-1 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | | |
| 1/0 AWG | LFDF-1 | LFDF-1 | LFDF-1 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 |
| 2/0 AWG | LFDF-1 | LFDF-1 | LFDF-1 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 |
| 3/0 AWG | LFDF-1 | LFDF-1 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-3 |
| 4/0 AWG | LFDF-1 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-3 | LFDF-3 | LFDF-3 |
| 250 kcmil | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-3 | LFDF-3 | LFDF-3 | LFDF-3 | LFDF-4 |
| 350 kcmil | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-3 | LFDF-3 | LFDF-3 | LFDF-3 | LFDF-4 | LFDF-4 | LFDF-4 |
| 500 kcmil | LFDF-2 | LFDF-2 | LFDF-2 | LFDF-3 | LFDF-3 | LFDF-4 | LFDF-4 | LFDF-4 | LFDF-4 | LFDF-4 |
| 750 kcmil | LFDF-2 | LFDF-2 | LFDF-3 | LFDF-4 | LFDF-4 | LFDF-4 | LFDF-4 | LFDF-4 | LFDF-4 | LFDF-4 |
| 1000 kcmil | LFDF-2 | LFDF-2 | LFDF-3 | LFDF-4 | LFDF-4 | LFDF-4 | LFDF-4 | LFDF-4 | LFDF-4 | LFDF-4 |