

## PLTY

Compact self-locking connector for power cable upto 10kV

### Application

For connections of insulated aluminum and copper main and branch conductors up to 10kV in the transmission and distribution system

### Features:

- Self-locking, constant clamping force, free from maintenance.
- Large contact area with contactor, excellent overcurrent capacity
- Easy and fast installation, no additional training
- Clearly marking and different colors for phase identification



### Typical technical performances

Test Items	Test Method	Typical Value
Heat aging of insulation jacket	80°C for 168hrs	No cracking, No breaking, No flashover mark
AC withstand of insulation jacket	50Hz, 3.5kV 5 Min	No flashover, No breakdown
DC resistance testing		≤1.1 resistant of same length cable conductor
Temperature-rise test		≤ the temp. of cable conductor in same condition
Clamping strength test		≥10% tensile strength of cable conductor
Salt fog test	5% NaCl, 30°C, 48hrs	No corrosion

### Dimensions

Part name	Section of contactor (mm <sup>2</sup> ) Main/Branch	Unit	Colors
PLTY-(16-120)/(16-120)	16-120/16-120	Kit	Black, Red, Green, Yellow
PLTY-(150-300)/(16-120)	150-300/16-120	Kit	Black, Red, Green, Yellow
PLTY-(150-300)/(150-300)	150-300/150-300	Kit	Black, Red, Green, Yellow



## Installation

applicable for PSL and PLTY



1. Remove insulation of branch cable to suitable length while reserve 10mm at end to keep cable in good shape.



3. Lock the insulation cover



2. Position prepared cable at branch clamp of PLTY, tighten the screw with a wrench



4. Repeat step 1-3 to install main cable