

# Quality System & Product Certificates



JOIN CROP TECHNOLOGY CREATE BRILLIANT

## OVERHEAD LINE ACCESSORIES



CROP connectors and fittings for overhead line cables are divided into four main sections:

1. Self-supporting ABC lines
2. ABC Lines with an insulated neutral messenger
3. ABC Lines with a bare neutral messenger
4. ADSS Line with "8" sharp cables

Each section looks the same, networks are essentially all different, but the connectors and fittings on this catalogue are of course common to all systems.

There include:

- Insulation piercing connector
- Parallel groove clamp
- Wedge connector
- Anchor clamp
- Dead end clamp
- Suspension clamp
- Fixing elements
- and the like



## Description

The waterproof insulation piercing connectors are suitable for majority types of LV ABC conductors as well as connections to service and lighting cable cores. When tightening the bolts, the teeth of the contact plates penetrate the insulation and establish a perfect contact. The bolts are tightened until the heads shear off. Tightening torque guaranteed (fuse nut). Stripping of insulation is avoided.

Service condition: <1kV, 50/60Hz, -10°C to 55°C

Standard: IEC 61284, EN 50483, IRAM2435, NFC33 020.

## Material

Body: Thermoplastic polyamide 66 with fiberglass

Connecting bridge: Copper tinned, Brass tinned, Al

Sealing parts: Flexible PVC

End cap: Flexible PVC

Grease: Silica gel

Bolt: Hot dip galvanized steel, 8.8 grade

Washer, Nut: Hot dip galvanized steel

Fuse nut: Zinc alloy

## Features

- Tested for watertightness at a voltage of 6 kV for 30 min in a water bath
- Potential free tightening bolts allow safe installations on life lines
- Bimetallic, suitable for aluminium and copper conductors
- Long neck 13 mm shear head nut ensuring reliable installations
- Components not isolated, end cap attached to body
- Insulation material made of weather and UV resistant glass fibre reinforced polymer

## PCT13C SERIES



Models	PCT13C 120/10	PCT13CB 120/10
Main Line(mm²)	6-120	6-120
Service Line (mm²)	1.5-10	(B)1.5-10
Bolt No.	1	1
Torque (Nm)	10NM	10NM
Remarks	ISO to ISO	ISO to Bare

## PCT13C SERIES



Models	PCT13C 70/35	PCT13C 95/50	PCT13C 120/25
Main Line(mm²)	16-70	16-95	25-120
Service Line (mm²)	4-35	4-50	6-25
Bolt No.	1	1	1
Torque (Nm)	15NM	17NM	17NM
Remarks	ISO to ISO	ISO to ISO	ISO to ISO

## PCT13C SERIES



Models	PCT13C 150/50	PCT13C 185/35	PCT13CB 70/35	PCT13CB 95/50
Main Line(mm²)	50-150	50-185	16-70	16-95
Service Line (mm²)	4-50	6-35	(B)4-35	(B)4-50
Bolt No.	1	1	1	1
Torque (Nm)	17NM	17NM	15NM	17NM
Remarks	ISO to ISO	ISO to ISO	ISO to Bare	ISO to Bare

## PCT13C SERIES



Models	PCT13C 95/95	PCT13C 150/150	PCT13CB 95/95	PCT13CB 150/150
Main Line(mm²)	16-95	16-150	16-95	16-150
Service Line (mm²)	16-95	16-150	(B)16-95	(B)16-150
Bolt No.	1	1	1	1
Torque (Nm)	17-23NM	23NM	23NM	23NM
Remarks	ISO to ISO	ISO to ISO	ISO to Bare	ISO to Bare





## PCT24C SERIES



Models	PCT24C 120/120	PCT24CB 120/120	PCT24C 240/150	PCT24CB 240/150
Main Line(mm²)	16-120	16-120	95-240	95-240
Service Line (mm²)	16-120	(B)16-120	16-150	(B)16-150
Bolt No.	2	2	2	2
Torque (Nm)	30NM	30NM	30NM	30NM
Remarks	ISO to ISO	ISO to Bare	ISO to ISO	ISO to Bare

## JBC SERIES



Models	JBC-0	JBC-1	JBC-2	PCT23C 240-240
Main Line(mm²)	25-70	35-70	35-150	50-240
Service Line (mm²)	6-35	6-35	35-150	50-240
Bolt No.	1	1	1	2
Torque (Nm)	10NM	13NM	17NM	23NM
Remarks	ISO to ISO	ISO to ISO	ISO to ISO	ISO to ISO

## CRT SERIES



Models	CRT041	CRT401
Main Line(mm²)	6-35	50-185
Service Line (mm²)	1.5-10	50-150
Bolt No.	1	2
Torque (Nm)	9NM	13NM
Remarks	ISO to ISO	ISO to ISO



## PCT13 SERIES



Models	PCT13 150/150	PCT13B 150/150
Main Line(mm²)	6-150	6-150
Service Line (mm²)	6-150	(B)6-150
Bolt No.	1	1
Torque (Nm)	17NM	17NM
Remarks	ISO to ISO	ISO to Bare

## OEM SERIES



Models	IPC 150-35	CPL-1	PCT23C 95/70
Main Line(mm²)	35-150	16-95	25-95
Service Line (mm²)	6-35	16-25	6-70
Bolt No.	1	1	2
Torque (Nm)	17NM	17NM	17NM
Remarks	ISO to ISO	ISO to ISO	ISO to ISO

## PT SERIES



Models	PT 35/25	PT 150/35	PT 150/35 (B)	PT2 150/35	PT2 150/35 (B)
Main Line(mm²)	2.5-35	(16)35-150	(16)35-150	(16)35-150	(16)35-150
Service Line (mm²)	10-25	4-50	4-50	2x4-50	2x4-50
Bolt No.	1	1	1	2	2
Torque (Nm)	9-13NM	13-17NM	13-17NM	13-17NM	13-17NM
Remarks	ISO to ISO	ISO to ISO	Bare to Bare	ISO to ISO	Bare to Bare

## Description

JBDC is to lead the branch from the bare main line while JBDD is to lead the branch from the insulated mainline, tighten the bolt with an idea torque which ensure the best quality of connection.

## Material

High strength aluminium alloy anti-UV plastic

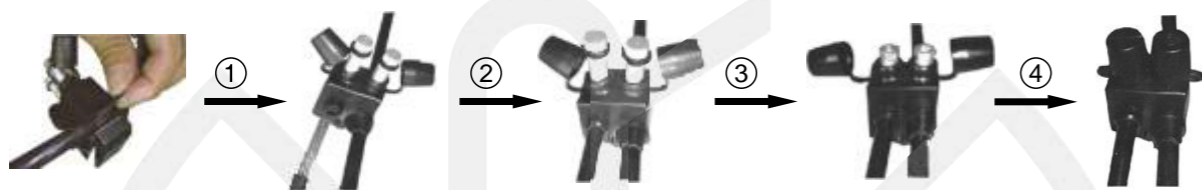
## Features

JBDC and JBDD series products have more function than JBDD



Models	JBDC-1	JBDC-2	JBDC-3	JBDD-1	JBDD-2	JBDD-3
Main Line(mm <sup>2</sup> )	6-35	50-150	50-150	6-35	50-150	50-150
Service Line (mm <sup>2</sup> )	6-35	6-35	35-95	6-35	6-35	35-95
Remarks	Bare Main to ISO Branch			ISO Main to Bare Branch		

## Installation Steps



## MULTI-TAP INSULATION PIERCIING CONNECTOR

### Description

Adaptor is used to turn multiple conductors of low voltage. Whole adaptor is inserted into the IPC with piercing teeth who penetrate through the insulation. This joint is 100% waterproof. The adaptor can be installed with any IPC who allows you to transfer the required voltage, and has the ability yo carry the required number of conductors. Standard: IEC 61284, EN 50483, IRAM2435, NFC33 020.

### Material

Body in Aluminum alloy with tinned surface coating, Plastic Cover



Models	Adaptor 2	Adaptor 4
Main Line(mm <sup>2</sup> )	IPC	IPC
Service Line (mm <sup>2</sup> )	RE/RM 2x1.5-35	RE/RM 4x1.5-35
Bolt No.	4	8
Torque (Nm)	9NM	9NM
Remarks	ISO to ISO	ISO to ISO



## CROP TECHNOLOGY GROUP LTD.

Add: No.77, Zhongji Rd, Yueqing City, Zhejiang, China.  
 Tel: 0086-577-6259 2550  
 Fax: 0086-577-2778 9058  
 Ph./Whatsapp: 0086 138 6832 9796  
 Wechat: WXL17757788662  
 Email: info@cncropgroup.com

