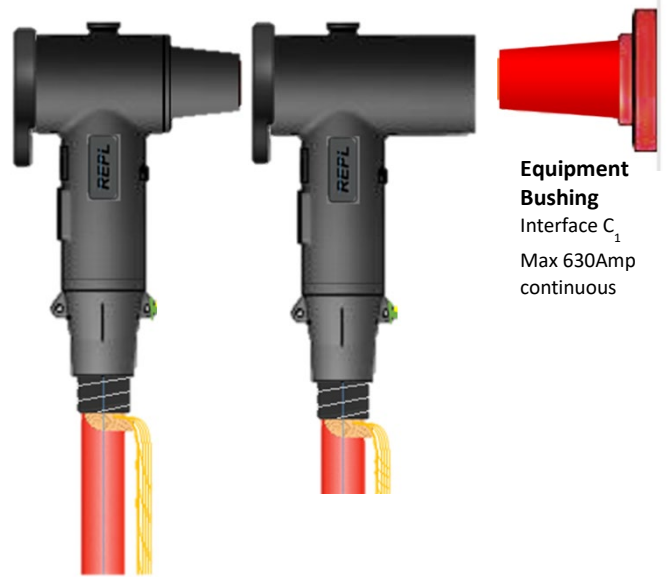


# Screened Compact Asymmetrical Connector for Interface C1 Bushings – up to $U_{max}$ 24kV



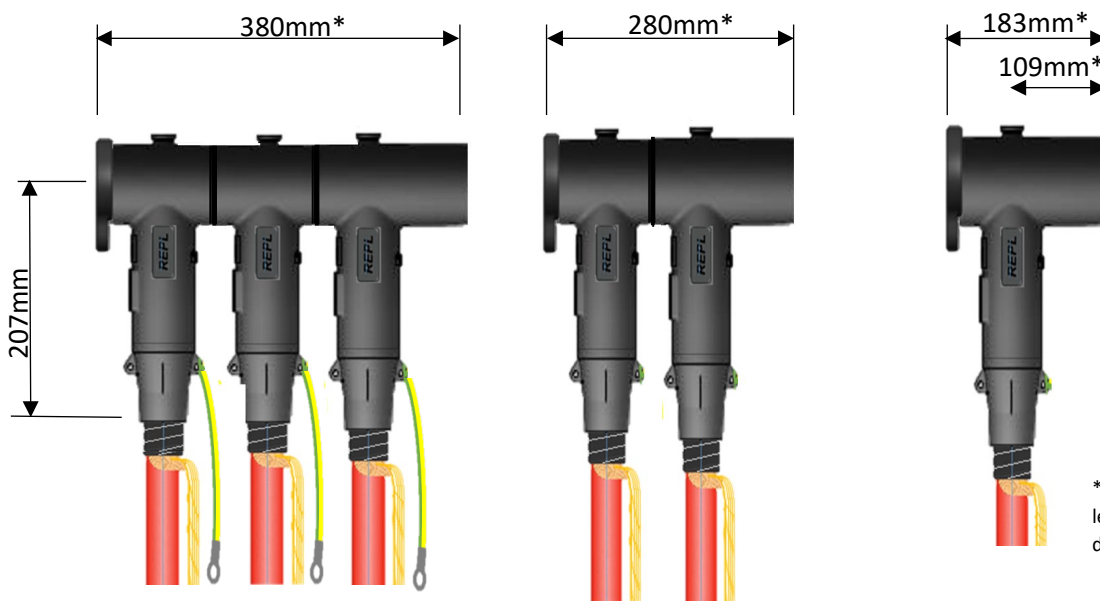
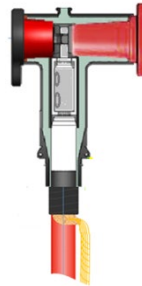
## RCPT-24C / RPBCT-24C

- Continuous current 630 A (900 A overload for 8 hours)
- Conforms to HD 629.1 S2 and IEC60502-4
- No minimum phase clearance requirements
- Compact design – asymmetrical body allows minimum depth of connection – especially when multiple connections are used
- Mounting can be vertical, horizontal, or any angle in between
- Suitable for Copper or Aluminium Conductors from 70-300mm<sup>2</sup>
- Integrated mechanical screw type lug
- EPDM moulded body with semi-conductive outer layer
- Easy to install with comprehensive instructions included in each kit
- Each connector body is factory tested for partial discharge and AC withstand to ensure 100% reliability
- Using the branch connector RPBCT-24C enables up to 2 additional connections to be made onto the bushing



### Kit Contents:

- Set of 3 Separable Connector Bodies & insulating back plug
- Set of 3 Silicon Stress Control elements
- Set of 3 Mechanical Type Lug & Connecting Stud
- Earthing Connections & Mastic Sealants
- Installation materials & Instructions



\*add 100mm on to the length to allow for disconnection

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DATA SHEET

# Screened Compact Asymmetrical Connector for Interface C1 Bushings – up to $U_{max}$ 24kV

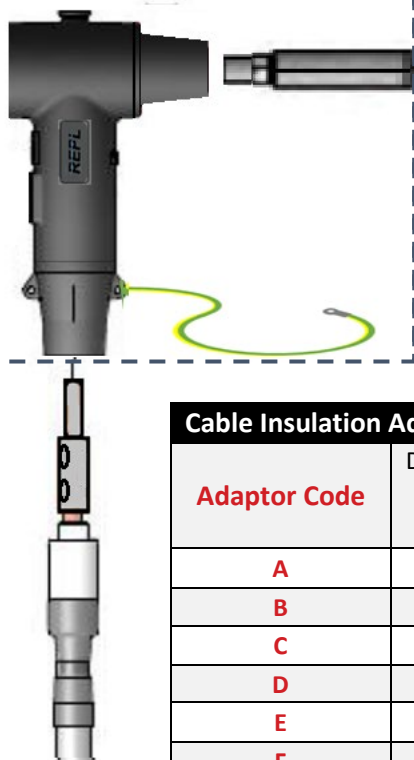


## RCPT-24C / RPBCT-24C

### RPBCT-24C Base Kit

Comprising:

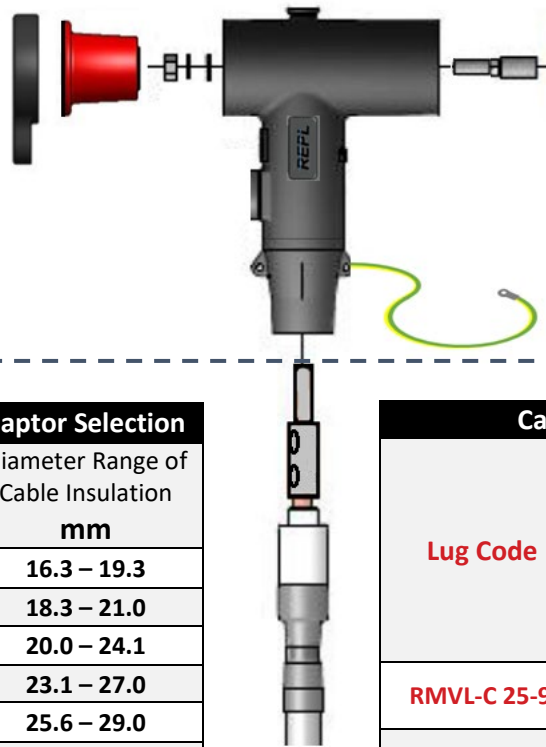
- EPDM branch body
- M12 extension stud
- Earth lead
- Mastics/Tapes
- Sealing tubes



### RPCT-24C Base Kit

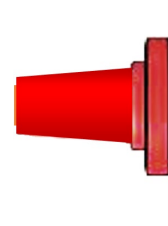
Comprising:

- EPDM body
- Back-plug assembly
- M16/M12 connection stud
- Earth lead
- Mastics/Tapes
- Sealing Tubes



### Equipment Bushing



Interface  $C_1$   
Max 630Amp  
continuous



#### Cable Insulation Adaptor Selection

Adaptor Code	Diameter Range of Cable Insulation mm
A	16.3 – 19.3
B	18.3 – 21.0
C	20.0 – 24.1
D	23.1 – 27.0
E	25.6 – 29.0
F	27.7 – 32.6
G	30.9 – 36.2
H	34 – 39.5

#### Cable Lug Selection

Lug Code	Class 2 Stranded Conductor Range – mm <sup>2</sup>	Class 1 Solid Conductor Range – mm <sup>2</sup>
		
RMVL-C 25-95	25 - 95	35 - 120
RMVL-C 35-150	35 - 150	
RMVL-C 70-240	70 - 240	95 - 4000
RMVL-C 120-300	120 - 300	150 - 400

### Kit Selection:

Add appropriate adaptor code to match the cable insulation diameter and lug cross section to end of base kit code, i.e.

**RPCT-24C-B-(70-240)** = 24kV compact connector with adaptor B of insulation diameter 18.3 to 21mm, and cable lug for cross sections between 70-240mm<sup>2</sup>

**RPBCT-24C-E-(120-300)** = 24kV compact branch connector with adaptor E of insulation diameter 25.6 to 29mm, and cable lug for cross sections between 120-300mm<sup>2</sup>

- For cables with copper tape screen and wire armours, additional material is required – see earthing kits.
- For three core cables, an additional trifurcating module may be required.
- For outdoor installation, additional heat shrink or cold shrink sealing tubes can be fitted below the connector to enhance the moisture seal.

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D A T A S H E E T

RCPT-24C/RPBCT-24C 23V1