

# WEBK 35/630

## Bolted-type Rear Connector for Coupling Connection

### Application

For connection of dual cable arrangement to fit with WEB 35/630 Tee connector.

### Features

- Manufactured from EPDM rubber, providing a fully screened separable connection when mated with the bushing of interface E
- 100% factory tested

Up to 42kV  
12/20(24)kV  
12.7/22(24)kV  
18/30(36)kV  
19/33(36)kV  
21/36(42)kV  
26/35(40.5)kV

### Design

#### 1. External Screen

Moulded EPDM conductive rubber to ensure the connector touchable

#### 2. Insulation

Moulded EPDM insulating rubber to ensure excellent electrical properties

#### 3. Internal Screen

Moulded EPDM conductive rubber to control electrical stress

#### 4. Two-headed Screw

To secure the conductor lug onto the bushing

#### 5. Conductor Lug

To connect the cable conductor and bushing

#### 6. Insulated Plug

Moulded epoxy plug in compliance with the bushing interface E

#### 7. Cable Adapter

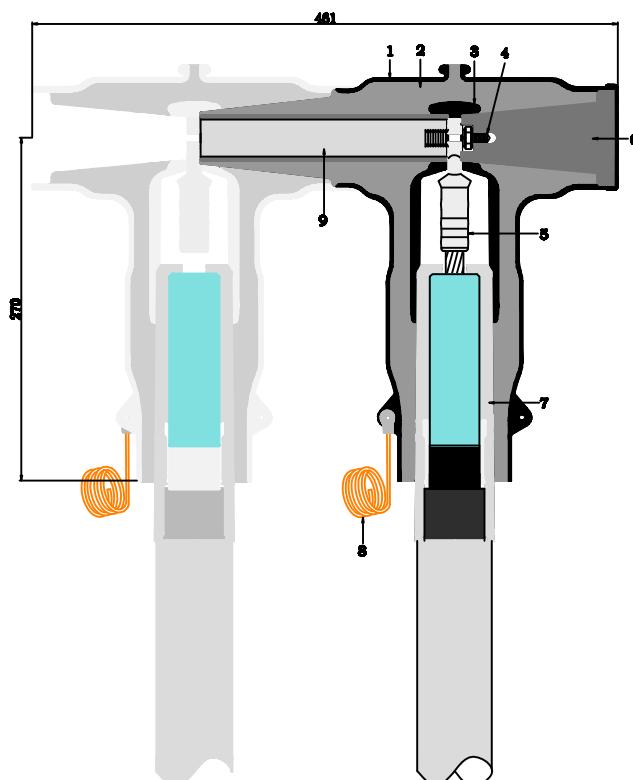
To provide initial stress relief and watertight seal

#### 8. Earthing Wire

To earth the external screen for the connector

#### 9. Copper Connecting Pipe

To connect the cable lugs



Dimension: mm

### Technical Data

Voltage Class	42kV	
Continuous Current	630A	1250A*
AC Withstand Voltage	117kV for 5min	
Partial Discharge	45kV, $\leq 10\text{pC}$	
Impulse Withstand Voltage (10 times for each polarity)	200kV	
Screen Resistance	$\leq 5000\Omega$	

Note: \* refer to the condition when installed on an appropriate equipment bushing.

## Ordering instruction

The ordering formula as followed:

1	2	3	4
WEBK			

### Step 1

Choose the system voltage and current: 35/630

### Step 2

Select the range from Table D that fits the diameter over cable insulation

### Step 3

Select the conductor code from Table C for the conductor size and type

### Step 4

Select the package. 1: 1pc/kit; 3: 3pcs/kit.

**Table D**

Diameter over cable insulation

Insulation Range Code	Diameter over cable insulation $\phi$ (mm)	
	Min.	Max.
A	30	32
B	32	35
C	35	38
D	38	40
E	40	42
F	42	45
G	45	48
H	48	51

**Table C**

Conductor Code

Conductor Cross-section (mm <sup>2</sup> )	Lug Code	
	Copper Lug (Hexagonal compression)	Aluminum Lug (Mechanical Bolted)
50	03C	M1(AULZ25-95-16)
70	04C	
95	05C	
120	06C	
150	07C	
185	08C	
240	09C	
300	10C	
400	11C	
500	12C	M2(AULZ70-240-16)
		M3(AULZ185-400-16)

## Ordering example:

The cable is 35kV, 3\*95mm<sup>2</sup> copper conductor with core insulation diameter of 34mm. Order WEBK 35/630B05C3.

### Note:

Sealing or solderless grounding kits shall be ordered separately.

Please add "-X" for cable with copper wire shield without armour, like WEBK 35/630B05C3-X.

Feel free to contact us for detailed information.