

# 35kV 600A Deadbreak Series

## Tee Connector WEB 35/600

### Features

- Manufactured from EPDM rubber, providing a fully screened separable connection when mated with proper bushing or plug
- In compliance with IEEE 386, Figure 13
- 100% factory tested

### 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 as described by IEEE 386, Figure 13

**7. Cable Adapter**

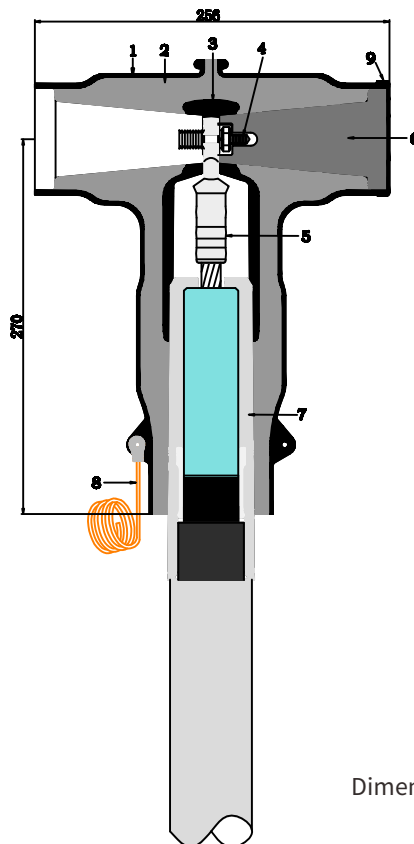
To provide initial stress relief and watertight seal

**8. Earthing Wire**

To earth the external screen for the connector

**9. End Cap**

Moulded EPDM conductive rubber to protect against dust



Dimension: mm

### Technical Data

<b>Voltage Class</b>	42kV
<b>Continuous Current</b>	600A
<b>AC Withstand Voltage</b>	117kV for 5min
<b>Partial Discharge</b>	45kV, ≤10pC
<b>Impulse Withstand Voltage (10 times for each polarity)</b>	200kV
<b>Screen Resistance</b>	≤5000Ω

## Ordering instruction

The ordering formula as followed:

	1	2	3	4
WEB				

### Step 1

Choose the system voltage and current: 35/600

### 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> )	Copper Lug (Hexagonal compression)	Bimetallic Lug (Hexagonal compression)
25	01C	01B
35	02C	02B
50	03C	03B
70	04C	04B
95	05C	05B
120	06C	06B
150	07C	07B
185	08C	08B
240	09C	09B
300	10C	10B
400	11C	-
500	12C	-

## Ordering example:

The cable is 35kV, 3\*95mm<sup>2</sup> copper conductor with core insulation diameter of 34mm. Order [WEB 35/600B05C3](#).

### Note:

Sealing or solderless grounding kits shall be ordered separately.

Insulated plug with capacitive test point is available upon request.

Please add "-X" for cable with copper wire shield without armour, like WEB 35/600B05C3-X.

Feel free to contact us for detailed information.