

## 25kV 600A Deadbreak Series

### Tee Connector WATT 25/600

#### Features

- Manufactured from EPDM rubber, providing a fully screened separable connection when mated with proper bushing or plug
- Built-in capacitive test point allows an easy check of the circuit status or equipit with a fault indicator
- Fully interchangeable in conformance with ANSI/IEEE 386, Figure 11
- 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 11

##### 7. Cable Adapter

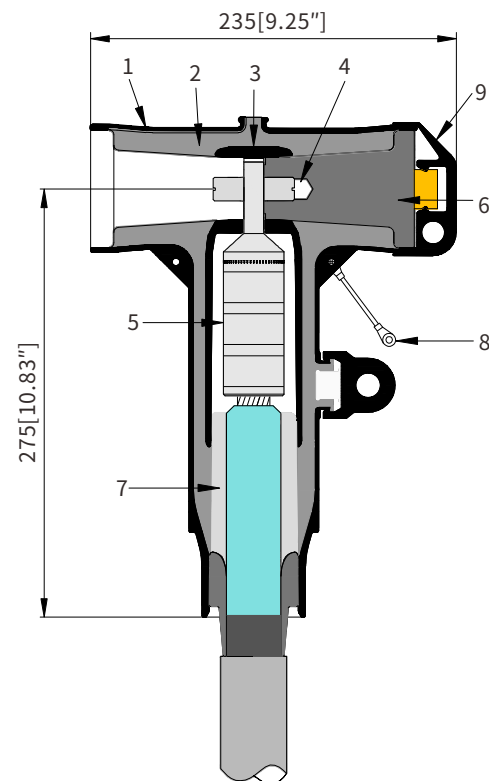
To provide initial stress relief and watertight seal

##### 8. Earthing Wire

To earth the external screen for the connector

##### 9. End Cap

Moulded EPDM conductive rubber to protect against dust



Dimension: mm

## Ordering instruction

The ordering formula as followed:

1	2	3	4
WATT			

WATT-25/600

Current rating: 600A;

Voltage rating:15=15kV, 25=25kV;

### Step 1

Determine the code for diameter over cable insulation from Table D;

### Step 2

Determine the code for cable conductor size from Table C;

### Step 3

Determine the code for cable conductor material, A=ALUMINIUM, C=COPPER;

### Step 4

Determine the code for lug material, B=BIMETALLIC, C= COPPER;

## Table D

Diameter over cable insulation

Code	Diameter over insulation (mm)	Diameter over insulation(inch)
A	15.49-19.69	0.610-0.775
B	17.78-22.99	0.700-0.905
C	21.21-26.92	0.835-1.060
D	24.77-29.85	0.975-1.175
E	27.81-32.39	1.095-1.275
F	31.5-37.08	1.240-1.460
G	35.43-40.13	1.395-1.580
H	37.97-42.8	1.495-1.685
J	40.89-45.47	1.610-1.790
K	43.82-49.15	1.725-1.935

## Table C

Conductor Code (AWG or kcmil)	Cross-sectional Area		Conductor Diameter			
	Inches	mm <sup>2</sup>	Stranded Conductors(inches)	Compressed Conductors(inches)	Compact Conductors(inches)	Solid Conductors(inches)
2	0.0521	33.62	0.292	0.283	0.268	0.258
1	0.0657	42.41	0.332	0.322	0.299	0.289
1/0	0.0829	53.49	0.373	0.362	0.336	0.325
2/0	0.1045	67.43	0.418	0.405	0.376	-
3/0	0.1318	85.01	0.470	0.456	0.423	-
4/0	0.1662	107.20	0.528	0.512	0.475	-
250	0.1964	127.00	0.575	0.558	0.520	-
350	0.2749	177.00	0.681	0.661	0.616	-
500	0.3927	253.00	0.813	0.789	0.736	-
600	0.4712	304.00	0.893	0.866	0.813	-
700	0.5498	355.00	0.964	0.935	0.877	-
750	0.5891	380.00	0.998	0.968	0.908	-
800	0.6283	405.00	1.031	1.000	0.938	-
900	0.7069	456.00	1.094	1.061	0.999	-
1000	0.7854	507.00	1.152	1.117	1.060	-

## Ordering example:

The cable is 15kV, 1-core 3/0 kcmil copper conductor with core insulation diameter of 24mm. Order [WATT 15/600C3/0CC.](#)

### 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 WATT 15/600C3/0CC-X.

Feel free to contact us for detailed information.