

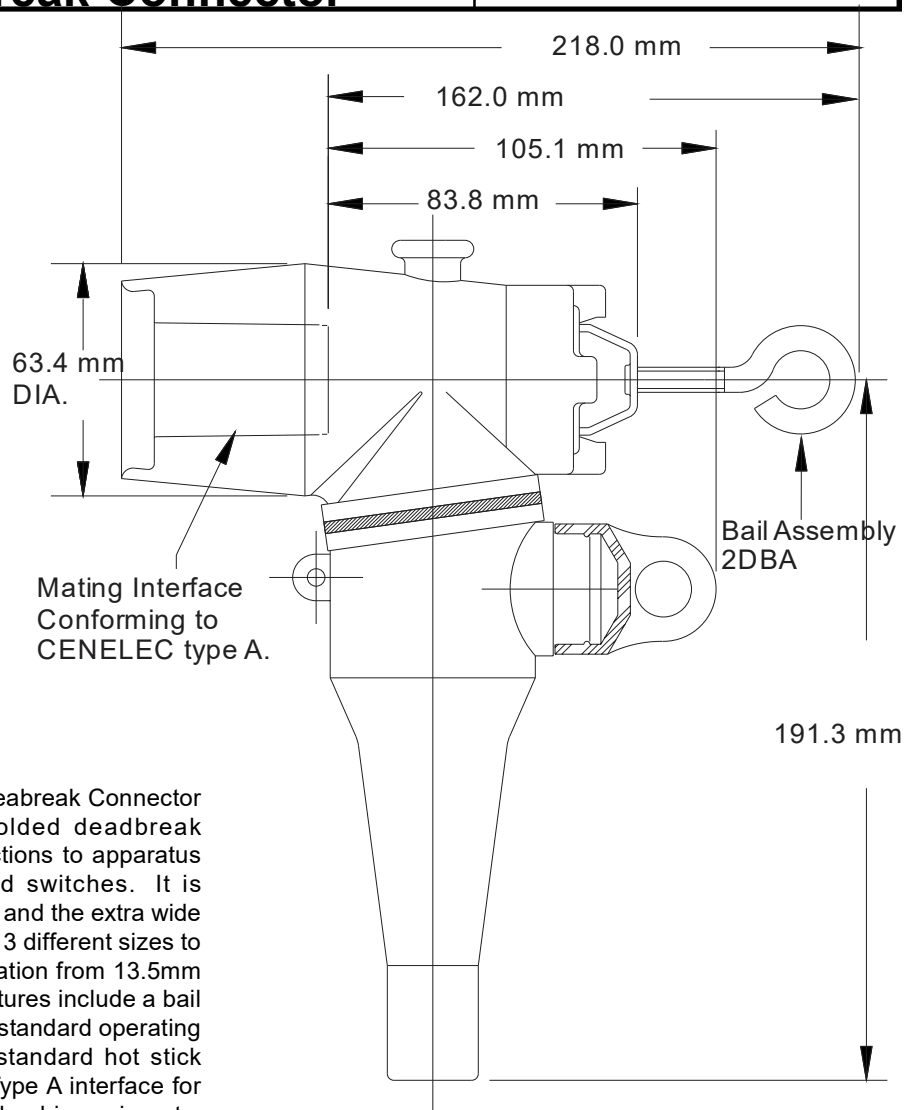


## SPECIFICATION SHEET

Description

**24kV 250A Deadbreak Connector**

Product Series

**2DBE1E**

### Application:

The CableMate 2DBE1E Wide Range Deadbreak Connector is a fully-shielded, insulated, premolded deadbreak connector for submersible cable connections to apparatus such as transformers, switchgear and switches. It is designed for use on solid dielectric cable and the extra wide cable range taking design allows for only 3 different sizes to accommodate cable diameter over insulation from 13.5mm (0.53") up to 26.7mm (1.05"). Safety features include a bail assembly, integral voltage test point and standard operating eye for de-energized operation using standard hot stick tools. It is designed with a CENELEC Type A interface for terminating to 24kV, 250A deadbreak bushings, inserts, junctions and other accessories.

### Features:

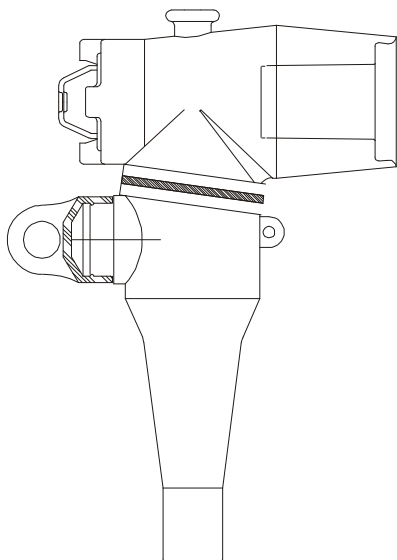
- 24kV, 250 A deadbreak connector complete with bail assembly for secure operation.
- Fully shielded, fully submersible molded rubber housing.
- 100% peroxide-cured EPDM rubber insulation and semi-conductive shield.
- Non-corrosive, capacitively coupled voltage test point with removable protective cap.
- Provision for hot stick operation.
- Provision for ground wire connection.
- Wide cable range with minimum number of sizes.

Ratings Meet or Exceed CENELEC 629.1 S2 / ANSI 386	
Description	Rating
Standard Voltage Class	24 kV
BIL and Full Wave Crest (1.2 x 50 $\mu$ s wave)	125 kV
60Hz AC One Minute Withstand (rms)	55 kV
AC Corona Extinction @ 1p.C.sensitivity	18 kV
Continuous Current (rms)	250 A
Overload Current (8 hrs. per 24 Hrs period)	300 A
Short Time Current Rating at 1 s (RMS Sym)	12.5kA



## 24kV 250A Wide Range Deadbreak Connector

## Product Series: 2DBE1E



2DBE1E housing with test point

### Ordering Instruction:

#### Step 1 (From Table H):

Determine the insulation diameter of the cable. Select the Housing Size Code that best fits the insulation diameter from Table H.

#### Step 2 (From Table C):

Using Table C choose the proper crimp connector code according to the conductor size of the cable. The bi-metal crimp connector can be used on either aluminum or copper conductor. Copper crimp connector can only be used on copper conductor.

## 2DBE1E

Table H

Cable Insulation Dia. Range		Housing Size Code
mm	Inches	
13,5 - 16,5	.530 - .650	HW0
15,9 - 20,8	.625 - .820	HW1
19,3 - 26,7	.760 - 1.05	HW2

Table C

AWG/MCM		IEC	Conn. Code	
STR	COMP	mm <sup>2</sup>	Bi-Metal	Cu
3	2	25	B04	C04
2	1	35	B05	C05
1	1/0	38/50	B06	C06
1/0	2/0	60	B07	C07
2/0	3/0	70	B08	C08
3/0	4/0	95	B09	C09
4/0	250	120	B10	C10

### Ordering Example:

The catalog number for a 24kV, 250A deadbreak connector with test point for a 95 mm<sup>2</sup> aluminum conductor cable with an insulation diameter of 24.6 mm (0.97") is 2DBE1EHW2B09. The catalog number for the same deadbreak connector with an all-copper crimp connector (for use on copper conductor only) would be 2DBE1EHW2C09.

A CableMate 2DBE1EHW2B09 deadbreak connector kit contains the following:

Description	Catalog Number
1 – Deadbreak connector housing	2DBE1EH2
1 – Bi-metal crimp connector	LACB09
1 – Probe	2DBEPR
1 – Probe wrench	2DBEWR
1 – Silicone Lubricant packet	SLG
1 – Installation instruction	
1 – Crimp chart	

Table R

Replacement Crimp Connector				
AWG/MCM		IEC	Catalog Number	
STR	COMP	mm <sup>2</sup>	Bi-Metal	Cu
3	2	25	LACB04	LACC04
2	1	35	LACB05	LACC05
1	1/0	38/50	LACB06	LACC06
1/0	2/0	60	LACB07	LACC07
2/0	3/0	70	LACB08	LACC08
3/0	4/0	95	LACB09	LACC09
4/0	250	120	LACB10	LACC10