

250 A Deadbreak Junction

DJ250-4
250 A, 24 kV Class

Electrical Apparatus
1550-12



Figure 1.
DJ250-4 Deadbreak Junction.

RELATED PRODUCTS

- DE250 Elbow Connector
- DS250 Straight Connector
- DRC250 Receptacle Cap
- DPS250 Standoff Plug
- DPE250 Earthing Plug
- DPD250 Dead-End Plug

INSTALLATION

- No special tools, heating, taping, or potting are required.
- Connector may be energised immediately after mating parts are secured.
- Uses the standard bails supplied with the elbow and straight connectors.

APPLICATION

- For connection of three 250 A premoulded connectors to one bushing or plug to form a multiple cable feed or a separable cable joint.
- For indoor or outdoor applications.
- For use in submerged vaults, surface applications, and with aerial cables.
- System voltage to 24 kV.
- Continuous current 250 A (300 A overload for 8 hours).
- For de-energised operation.

FEATURES

- Provides a fully screened and fully submersible separable connection when joined with mating parts.
- No minimum phase spacing requirements.
- 100% factory tested.

STANDARDS

- Meets the requirements of CENELEC HD 629.1 S1, IEC 60502-4, and IEEE 386.

QUALITY ASSURANCE

- Manufacturing facility is registered to ISO 9001-1994 by third party audit.
- Routine tests.
- X-Ray audit of random samples.

PACKAGING

- Supplied in single phase kit, approximate weight 0.9 kg.

TABLE A
Electrical Ratings

Maximum System Voltage (U_m)	24 kV
Partial Discharge Extinction (<3 pC)*	20 kV
AC Withstand*	54 kV
Impulse Withstand	125 kV
Continuous Current	250 A
Overload (8 hrs max.)	300 A
Short Circuit Withstand, 1 sec. (rms sym.)	12.5 kA

*Denotes routine tests on 100% of production.

Features and Detailed Description

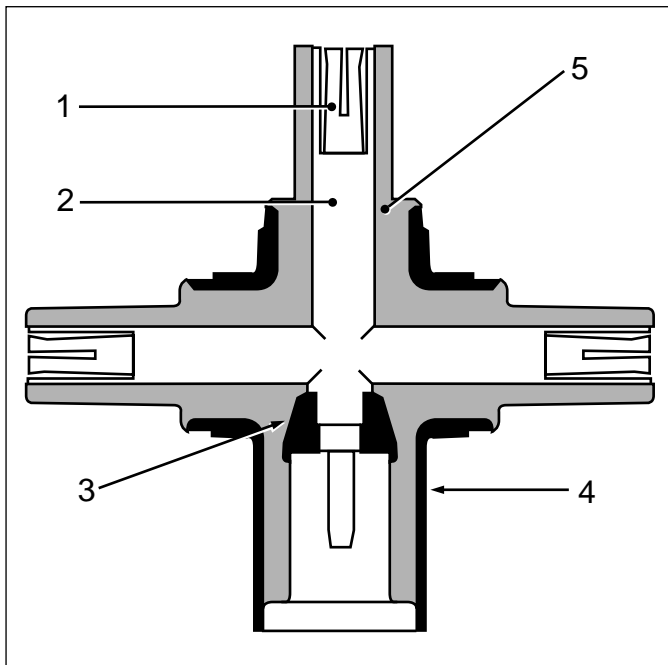


Figure 2.
250 A, 24 kV Class DJ250 Deadbreak Junction

1. Socket Contacts

Finger-type socket contact of plated copper mates with the pin contact of the premoulded connector.

2. Busbar

Internal copper current-carrying part.

3. Internal Screen

Moulded semi-conductive EPDM rubber controls electrical stress.

4. External Screen

Moulded semi-conductive EPDM rubber mates with the screen of the connector to maintain screen continuity.

5. Insulation

Moulded EPDM rubber provides the phase-to-earth insulation and forms the interface with the mating connectors to maintain dielectric ratings and a watertight seal.

ORDERING INFORMATION

To order, simply specify **DJ250-4**. Kit includes junction, silicone lubricant, and paper towel. Mating parts and bails are ordered separately.

250 A Deadbreak Junction

DJ250-T1
250 A, 24 kV Class

1550-12



Figure 3.
DJ250-T1 Deadbreak Junction.

RELATED PRODUCTS

- DE250 Elbow Connector
- DS250 Straight Connector
- DRC250 Receptacle Cap
- DPS250 Standoff Plug
- DPE250 Earthing Plug
- DPD250 Dead-End Plug

INSTALLATION

- No special tools, heating, taping, or potting are required.
- Can be energised immediately after the mating parts are secured.
- Uses the standard bail supplied with the elbow and straight connectors.

APPLICATION

- For connection of two 250 A premoulded connectors to one bushing or plug to form a parallel cable feed or a separable cable joint.
- For indoor or outdoor applications.
- For use in submerged vaults, surface applications, and with aerial cables.
- System voltage to 24 kV.
- Continuous current 250 A (300 A overload for 8 hours).
- For de-energised operation.

FEATURES

- Provides a fully screened and fully submersible separable connection when joined with mating parts.
- No minimum phase spacing requirements.
- 100% factory tested.

STANDARDS

- Meets the requirements of CENELEC HD 629.1 S1, IEC 60502-4, and IEEE 386.

QUALITY ASSURANCE

- Manufacturing facility is registered to ISO 9001-1994 by third party audit.
- Routine Tests.
- X-Ray audit of random samples.

PACKAGING

- Supplied in single phase kit, approximate weight 0.9 kg.

TABLE A
Electrical Ratings

Maximum System Voltage (U_m)	24 kV
Partial Discharge Extinction (<3 pC)*	20 kV
AC Withstand*	54 kV
Impulse Withstand	125 kV
Continuous Current	250 A
Overload (8 hrs)	300 A
Short Circuit Withstand, 1 sec (rms sym)	12.5 kA

*Denotes routine tests on 100% of production.

Features and Detailed Description

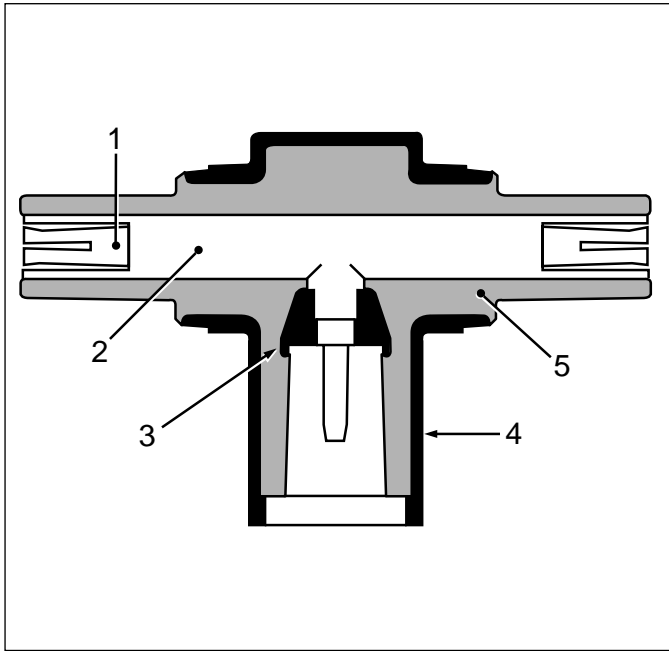


Figure 4.
250 A, 24 kV Class DJ250-T1 Deadbreak Junction

ORDERING INFORMATION

To order, simply specify **DJ250-T1**. Kit includes junction, silicone lubricant, and paper towel. Mating parts and bails are ordered separately.

1. Socket Contacts

Finger-type socket contact of plated copper mates with the pin contact of the premoulded connector.

2. Busbar

Internal copper current-carrying part.

3. Internal Screen

Moulded semi-conductive EPDM rubber controls electrical stress.

4. External Screen

Moulded semi-conductive EPDM rubber mates with the screen of the connector to maintain screen continuity.

5. Insulation

Moulded EPDM rubber provides the phase-to-earth insulation and forms the interface with the mating connectors to maintain dielectric ratings and a watertight seal.

250 A Deadbreak Junction

DJ250-T2
250 A, 24 kV Class

1550-12



Figure 5.
DJ250-T2 Deadbreak Junction.

RELATED PRODUCTS

- DE250 Elbow Connector
- DS250 Straight Connector
- DRC250 Receptacle Cap

INSTALLATION

- No special tools, heating, taping, or potting are required.
- Can be energised immediately after the mating parts are secured.
- Uses the standard bails supplied with the elbow and straight connectors.

APPLICATION

- For connection of three 250 A premoulded connectors to form a separable cable joint.
- For indoor or outdoor applications.
- For use in submerged vaults, surface applications, and with aerial cables.
- System voltage to 24 kV.
- Continuous current 250 A (300 A overload for 8 hours).
- For de-energised operation.

FEATURES

- Provides a fully screened and fully submersible separable connection when joined with mating parts.
- No minimum phase spacing requirements.
- 100% factory tested.

STANDARDS

- Meets the requirements of CENELEC HD 629.1 S1, IEC 60502-4, and ANSI/IEEE 386.

QUALITY ASSURANCE

- Manufacturing facility is registered to ISO 9001-1994 by third party audit.
- Routine tests.
- X-Ray audit of random samples.

PACKAGING

- Supplied in single phase kit, approximate weight 0.9 kg.

TABLE A
Electrical Ratings

Maximum System Voltage (U_m)	24 kV
Partial Discharge Extinction (<3 pC)*	20 kV
AC Withstand*	54 kV
Impulse Withstand	125 kV
Continuous Current	250 A
Overload (8 hrs)	300 A
Short Circuit Withstand, 1 sec (rms sym)	12.5 kA

*Denotes routine tests on 100% of production.

Features and Detailed Description

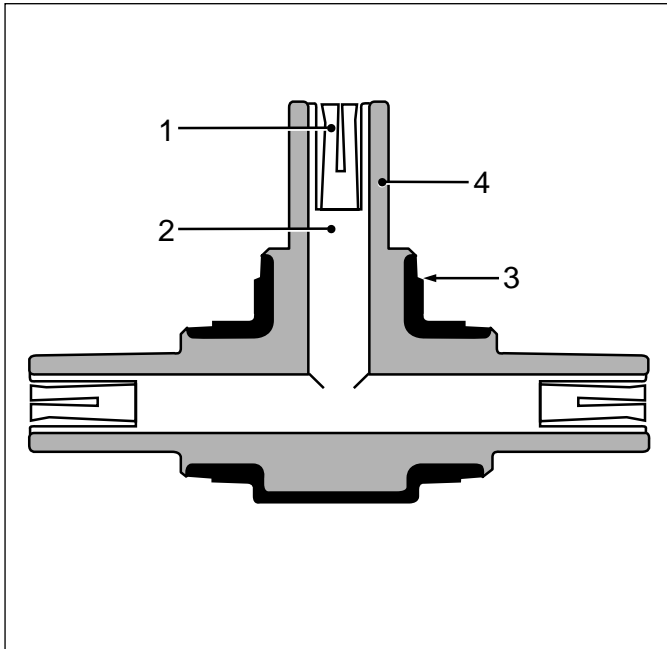


Figure 6.
250 A, 24 kV Class DJ250-T2 Deadbreak Junction

1. Socket Contacts

Finger-type socket contact of plated copper mates with the pin contact of the pre-moulded connector.

2. Busbar

Internal copper current-carrying part.

3. External Screen

Moulded semi-conductive EPDM rubber mates with the screen of the connector to maintain screen continuity.

4. Insulation

Moulded EPDM rubber provides the phase-to-earth insulation and forms the interface with the mating connectors to maintain dielectric ratings and a watertight seal.

ORDERING INFORMATION

To order, simply specify **DJ250-T2**. Kit includes junction, silicone lubricant, and paper towel. Bails and mating parts are ordered separately.

250 A Deadbreak Junction

DJ250-2
250 A, 24 kV Class

1550-12



Figure 7.
DJ250-2 Deadbreak Junction.

RELATED PRODUCTS

- DE250 Elbow Connector
- DS250 Straight Connector
- DRC250 Receptacle Cap

INSTALLATION

- No special tools, heating, taping, or potting are required.
- Can be energised immediately after the mating parts are secured.
- Uses the standard bail supplied with the elbow or straight connector.

APPLICATION

- For connection of two 250 A premoulded connectors to form a separable cable joint.
- For indoor or outdoor applications.
- For use in submerged vaults, surface applications, and with aerial cables.
- System voltage to 24 kV.
- Continuous current 250 A (300 A overload for 8 hours).
- For de-energised operation.

FEATURES

- Provides a fully screened and fully submersible separable connection when joined with mating parts.
- No minimum phase spacing requirements.
- 100% factory tested.

STANDARDS

- Meets the requirements of CENELEC HD 629.1 S1, IEC 60502-4, and ANSI/IEEE 386.

QUALITY ASSURANCE

- Manufacturing facility is registered to ISO 9001-1994 by third party audit.
- Routine Tests.
- X-Ray audit of random samples.

PACKAGING

- Supplied in single phase kits, approximate weight 0.7 kg.

TABLE A
Electrical Ratings

Maximum System Voltage (U_m)	24 kV
Partial Discharge Extinction (<3 pC)*	20 kV
AC Withstand*	54 kV
Impulse Withstand	125 kV
Continuous Current	250 A
Overload (8 hrs)	300 A
Short Circuit Withstand, 1 sec (rms sym)	12.5 kA

*Denotes routine tests on 100% of production.

Features and Detailed Description

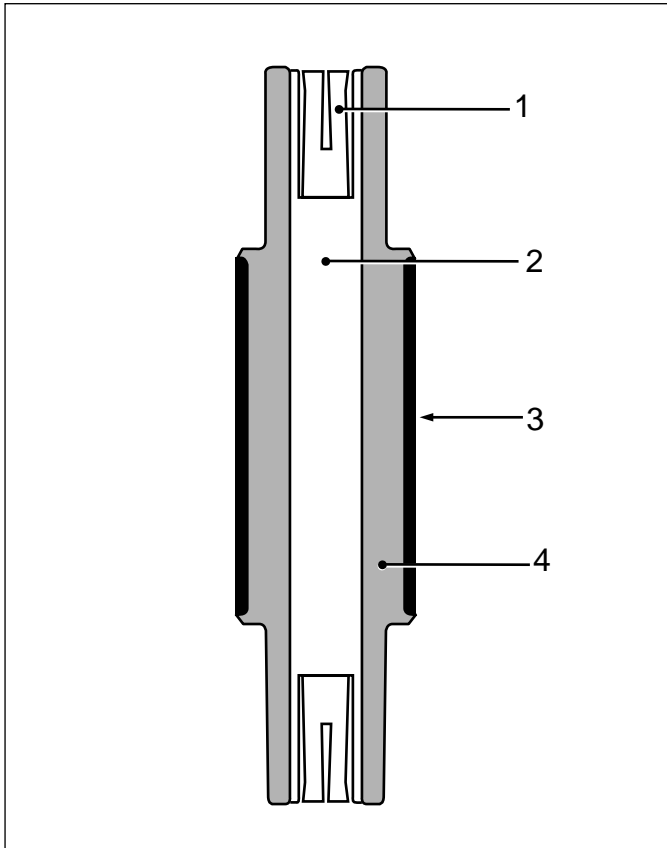


Figure 8.
250 A, 24 kV Class DJ250-2 Deadbreak Junction

1. Socket Contacts

Finger-type socket contact of plated copper mates with the pin contact of the pre-moulded connector.

2. Busbar

Internal copper current-carrying part.

3. External Screen

Moulded semi-conductive EPDM rubber mates with the screen of the connector to maintain screen continuity.

4. Insulation

Moulded EPDM rubber provides the phase-to-earth insulation and forms the interface with the mating connectors to maintain dielectric ratings and a watertight seal.

ORDERING INFORMATION

To order, simply specify **DJ250-2**. Kit includes junction, silicone lubricant, and paper towel. Bails and mating parts are ordered separately.


COOPER Power Systems

P.O. Box 1640
Waukesha, WI 53187
www.cooperpower.com