

BS-D3268 Operating Manual

Ratcheting Modular Crimping, Stripping & Cutting Hand Tool

Product Summary: The **BOSI BS-D3268** is a professional-grade multi-function networking tool engineered for precision crimping, stripping, and cutting of twisted-pair Ethernet cables (Cat5e / Cat6) and multi-line telephone cables. Built with high-carbon steel and ergonomic non-slip handles.

KEY SPECIFICATIONS & COMPONENTS

Dual Crimping Cavities

Dedicated die slots for **8P8C (RJ45)** network connectors and **6P6C / 6P4C / 6P2C (RJ11/RJ12)** telephone plugs.

Integrated Cutter & Stripper

Features a flat cable cutting blade and a calibrated circular notch specifically sized for stripping round PVC outer jackets.

Ratchet Drive Mechanism

Ensures complete crimping cycle before handle release, guaranteeing uniform contact pressure on all plug pins.

Emergency Release Lever

Built-in manual release trigger inside the handle pivot allows easy jaw opening in case of accidental mis-crimping or obstruction.

STEP-BY-STEP INSTRUCTIONS

1 Stripping the Outer Jacket

- Insert the end of the cable into the circular stripping notch located on the inner jaw.
- Squeeze the handles lightly to allow the blade to penetrate the outer PVC sheath without cutting into inner copper wires.
- Rotate the tool **300°–360°** around the cable, then slide the outer jacket off to expose roughly **25 mm–35 mm** (1 to 1.5 inches) of inner twisted pairs.

2 Wire Alignment & Wiring Standard

Untwist all pairs and fan out individual wires. Arrange them left-to-right following the standard **T568B** Ethernet wiring pinout:

PIN #	WIRE COLOR STANDARD (T568B)
1	 White / Orange
2	 Solid Orange
3	 White / Green
4	 Solid Blue
5	 White / Blue
6	 Solid Green
7	 White / Brown
8	 Solid Brown

3 Trimming & Connector Insertion

- Pinch the aligned wires firmly flat side-by-side.
- Use the straight cutter blade on the tool to trim all conductors in a clean, straight line, leaving approximately **12 mm** (0.5 inch) of exposed wire.
- Push the conductors firmly into the RJ45 connector (locking tab facing down) until all 8 copper wires reach the front plastic wall and the outer PVC jacket extends into the rear strain-relief zone.

4 Crimping the Connector

- Insert the modular plug into the **8P cavity** until fully seated.
- Squeeze the tool handles firmly together until the ratchet mechanism unlocks and releases automatically.
- Depress the connector locking tab and remove the finished cable assembly.

MAINTENANCE & BEST PRACTICES

- **Visual Verification:** Prior to crimping, inspect the front translucent face of the plug to confirm all 8 conductors touch the front wall.
- **Blade Care:** Keep cutting edges clean and free of insulation debris. Periodically lubricate pivot points with lightweight machine oil.
- **Ratchet Release:** If the tool locks up unexpectedly, push the internal release lever located near the pivot hinge to reset the handles.