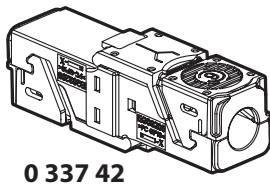
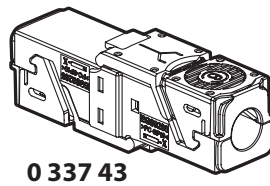


4-pair cable extender

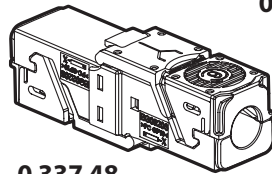
Cat. No(s): 0 337 42/43/48



0 337 42



0 337 43



0 337 48

CONTENTS

Page

1. GENERAL CHARACTERISTICS	1
2. POSITIONING	1
3. TECHNICAL CHARACTERISTICS	1
4. INSTALLATION	1
5. DIMENSIONS	1
6. TYPICAL RJ45 CONNECTION.....	2

1. GENERAL CHARACTERISTICS

Used to extend a 4 twisted pair cable quickly and easily within the operating limits of a consolidation point.

Quick toolless connection, marked T 568 A/B.

Conforming to standards ISO/IEC 11801 edition 3.0 (2017) and ANSI/TIA 568.2 D.

- Cat. 6 UTP extender 0 337 42 for unshielded cables up to category 6
- Cat. 6 FTP extender 0 337 48 for shielded cables up to category 6
- Cat. 6A STP extender 0 337 43 for shielded or unshielded cables up to category 6A

2. POSITIONING

Cables can be connected without any special tools.

3. TECHNICAL CHARACTERISTICS

■ 3.1 Materials

Extender:

- Insulation displacement contacts: bronze + tin
- Metal parts: nickel silver
- Plastic parts: PC, PBT

■ 3.2 Electrical characteristics

Breakdown voltage: 1000 V

Insulation resistance: 500 MΩ at 100 VDC

Compatible remote powering "PoE" up to 100w. (IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt)

EN 50174-2: 2018

■ 3.3 Mechanical characteristics

Max. number of connections and disconnections: 5 without wire refreshment

IK03

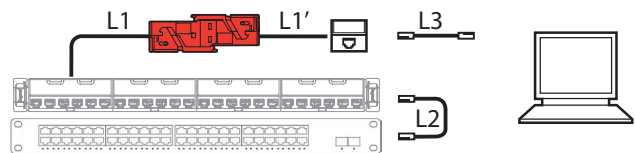
IP0 (no protection)

■ 3.4 Climate characteristics

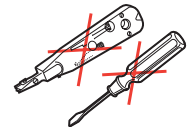
Operating temperature: -40°C to +70°C

Humid heat 21-day cycle

4. INSTALLATION

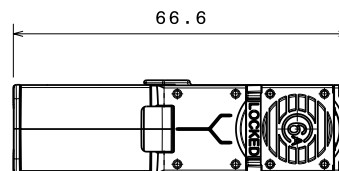
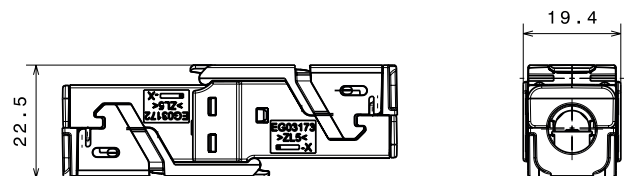


$L1 + L1' \leq 90 \text{ m}$
 $L2 + L3 \leq 10 \text{ m}$



	L1	L1'	L1 + L1'	L2	L3
Minimum (meters)	15	5	20	1	1
Maximum (meters)	85.	75	90	5	5

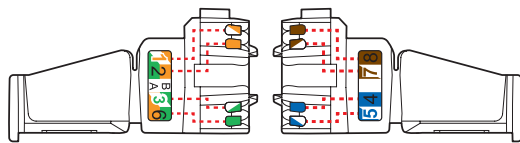
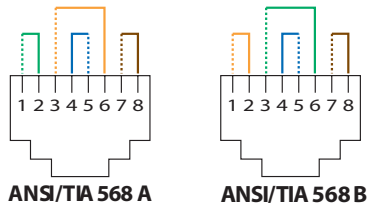
5. DIMENSIONS



6. TYPICAL RJ45 CONNECTION

ANSI/TIA 568 A and B dual colour code:

- UTP 8 contacts
- FTP 9 contacts

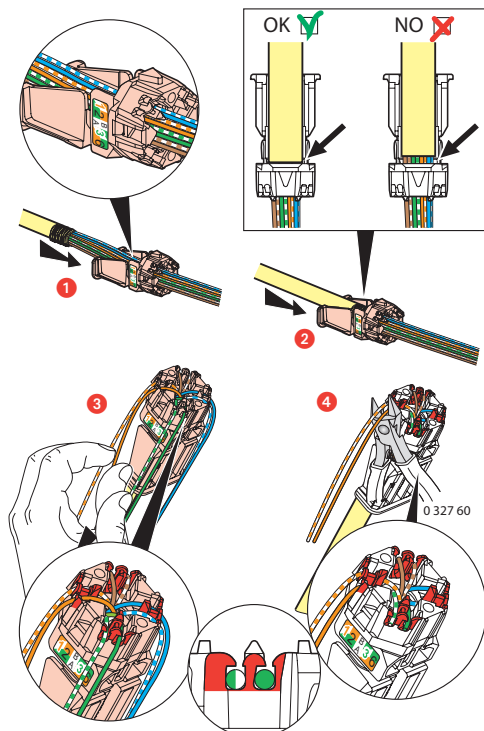


Permissible conductors:

- Single-core: 0.5 to 0.65 mm, AWG 22 to 26
- Polyethylene conductor insulation: max. Ø on 1.58 mm insulation

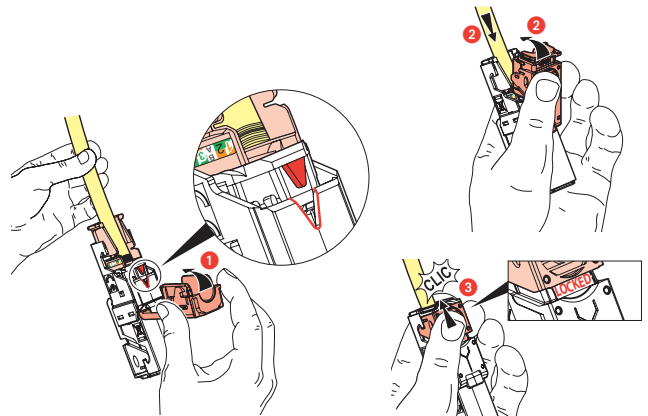
Number of wires to be connected per connection: 1

This system makes it easy to spread pairs before fitting them onto the connector.



Spreading the cables and positioning the sleeve firmly in the spreader ensures that a pair-breakage distance of 13 mm is kept between pairs, as required by the standard.

Spreading pairs at 90° to the cable ensures the best possible performance.



Cable extenders are equipped with a locking nut. They do not require a special tool and can be re-wired if a mistake is made.

