# DIN EN 1254-6:2025-04 (E)

## Copper and copper alloys - Plumbing fittings - Part 6: Push-fit fittings for use with metallic tubes, plastics and multilayer pipes (includes Amendment A1:2025)

## Contents

Page


European foreword ... 4

Introduction ... 6

1 Scope ... 7

2 Normative references ... 7

3 Terms and definitions ... 9

4 Product characteristics ... 9
4.1 Internal pressure ... 9
4.2 Tightness ... 9
4.3 Resistance to high temperature (for heating networks) ... 10
4.4 Release of dangerous substances ... 10
4.5 Durability ... 11
4.6 Wall thickness at threaded portions of adaptor fittings ... 11
4.7 Dimensions of tail pipe ends for swivel fittings ... 11
4.8 Threaded end dimensions ... 12
4.9 Other adapter ends (not defined in [A1] EN 1254-20:2021+A1:2025) <A1> ... 12
4.10 Bore dimensions ... 12
4.11 Identity of elastomeric sealing material ... 12
4.12 Tube / pipe abutment ... 12
4.13 Alignment of the fitting ends ... 12
4.14 Shapes for tightening systems ... 13
4.15 Surface condition ... 13
4.16 Disconnection and re-use (for fittings capable of being disconnected) ... 13
4.17 Plated or coated surfaces ... 13
4.18 [A1] Wall thickness of the fitting body ... 13

5 Testing, assessment and sampling methods ... 13
5.1 General ... 13
5.2 Internal hydrostatic pressure test ... 14
5.3 Tightness ... 14
5.4 Durability ... 18
5.5 Wall thickness at threaded portions of adaptor fittings ... 19
5.6 Dimensions of tail pipe ends for swivel fittings ... 19
5.7 Threaded end dimensions ... 19
5.8 Bore dimensions ... 19
5.9 Identity of elastomeric sealing material for liquid applications ... 19
5.10 Alignment of the fitting ends ... 19
5.11 Disconnection and re-use (for fittings capable of being disconnected) ... 20
5.12 [A1] Wall thickness of the fitting body ... 20

6 Evaluation of conformity ... 20
6.1 General ... 20
6.2 Type testing ... 20
6.3 Test reports ... 23
6.4 Factory production control (FPC) ... 23

7 Designation ... 26

**8 Marking, labelling and packaging ..... 26**
**8.1 General ..... 26**
**8.2 Dezincification resistant copper zinc alloys ..... 26**
**Annex A (normative) Operating temperatures and design pressures ..... 27**
**Bibliography ..... 29**