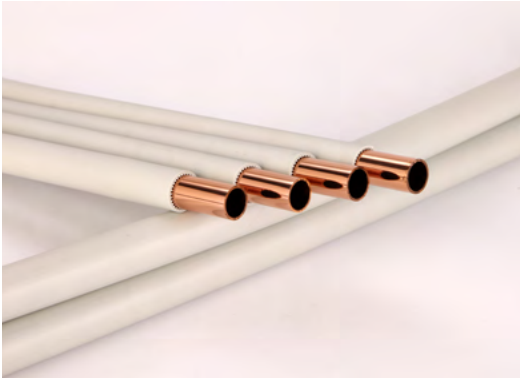


APPLICATIONS

- Cold drinking water.
- Distribution of liquid and gaseous fuels.

In compliance with applicable regulations.



This copper tube is produced according to standard EN 1057. During its production it is sheathed with a special continuous PVC covering with a star-shaped cross-section. It complies with DM. 174/04 (O.J. 166 of 17/07/04), which defines the parameters to be met by materials in contact with drinking water. The original in-line coating process allows for a malleability that is higher than comparable market alternatives, positioning it at the top of its category. It has proven **bacteriostatic properties** which make it particularly suitable for drinking water supply, in order to prevent the proliferation of bacteria such as Legionella. The absolute **impermeability to gases** also makes it suitable for use in the transport of liquid and gaseous fuels.

Furthermore, in accordance with **EU Regulation 305/2011 for construction products (CPR)**, SMISOL®Più copper tubes are **CE marked**.

A supplementary guarantee of compliance with prevailing regulation standards is assured with the achievement of **UNI-IGQ Quality certification**.

SHEATH CHARACTERISTICS

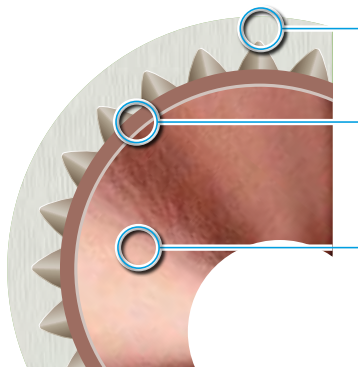
- Sheath material in special stabilised PVC resin.
- Star-shaped cross-section.
- Minimum sheath thickness: 1,5 mm (under continuous laser gauge control).
- Sheath manufactured from high-quality virgin granules.
- Excellent resistance to external chemical agents.
- Ink marking every meter.

EXTERNAL PROTECTION

Tested and guaranteed stabilised polyvinyl resin sheath.

Other specific advantages are given by:

- Reduction or elimination of unsightly and unhygienic water stains of dampness on walls.
- The star-shaped cross-section of the sheath absorbs small thermal expansions (linear thermal expansion coefficient = 0,00168 mm/m°C).
- Protected against impact damage during transport and on-site installation.



Star-shaped PVC sheath

Copper tube diameter manufactured under continuous laser gauge control

Internal surface with passivation treatment

TABLE OF STANDARD PRODUCT DIMENSIONS - COILS

dimensions Ed x Th	coil length min. guaranteed	min. sheath thickness	burst pressure	operating pressure ASTM	water content
(mm)	(m)	(mm)	(MPa)	(MPa)	(l/m)
6 x 1	50	1,5	74,80	18,70	0,013
8 x 1	50	1,5	56,10	14,03	0,028
10 x 1	50	1,5	44,88	11,22	0,050
12 x 1	50	1,5	37,40	9,35	0,079
14 x 1	50	1,5	32,06	8,01	0,113
16 x 1	50	1,5	28,05	7,01	0,154
18 x 1	50	1,5	24,93	6,23	0,201
22 x 1	25	1,5	20,40	5,10	0,314

Ed = External diameter Th = wall thickness

Other dimensions compliant to EN 1057 are available on request.

INTERNAL PROTECTION

During manufacture, the tubes are subjected to a **patented treatment for passivation and stabilisation of the internal walls**, thus assuring absolute compliance to the potability parameters required by European legislation for transported drinking water (European Directive 2020/2184/EU). SMISOL®Più copper tube has a carbon residue $C < 0.06 \text{ mg/dm}^2$, much lower than that required by EN 1057, which defines a carbon content limit of $C \leq 0,20 \text{ mg/dm}^2$.