

NEW
**INSULATED COPPER TUBE UNI CIG 7129
TUBO DI RAME ISOLATO UNI CIG 7129**

- Copper tube DHP 99.9% copper - EN 1057, insulated with sheath in closed cell expanded polyethylene, produced with cutting-edge machinery and explicitly made for building gas transport plants in civil residential buildings and according to the prescriptions of standard UNI CIG 7129 for under-floor tubes.
- The internal air chamber, between the copper tube and the coating itself, allows gas to leave the building if there are any leaks from the feeding plant.
- This is the optimal solution for building under-floor gas transport systems.
- The core is made of a high quality copper tube, providing excellent protection against corrosion, the result of scientific studies and tests that guarantee a considerably lower level of residual carbon than is required by the manufacturing standards.
- The provided copper tube is supplied in 50-meter coils (25 meters with \varnothing 22 mm) marked at intervals also indicating the relative meters.



The copper tube EN 1057 is marked  as required by 89/106/EEC EU Construction Products Directive.

INSULATION DENSITY	: 130 kg/m ³
THICKNESS OF THE INSULATING SHEATH	: 6 mm
USAGE TEMPERATURES	: -30 °C +95 °C
THERMAL CONDUCTIVITY	: 0,0397 W · m ⁻¹ · K ⁻¹
RESISTANCE TO FIRE	: Class 1 (self-extinguishing)
WRAPPING	: coils individually wrapped with transparent film to give further protection

CHARACTERISTICS OF THE COPPER TUBE	
Alloy	Cu-DHP CW024A (Cu = 99.90% min. - P = 0.015 ÷ 0.040%)
Physical state	Annealed
Unit tensile strength	220 MPa/mm ² min.
Percentage elongation	40% min.
Internal cleanliness	C max. 0,20 mq/dm ²
Dimensions and tolerances ¹	in compliance with standard EN 1057
Internal surface roughness	RA 1/10 micron
Linear thermal expansion coefficient	0.00168 mm/m °C
Thermal conductivity at 20 °C	364 W/m k

Note: products with marking, dimensional tolerances and various lengths can be prepared on specific Customer request



CHARACTERISTICS OF THE COPPER TUBE						
Dimensions without insulation (mm)	Diameter with insulation (mm)	Thickness of insulating sheath (mm)	Bursting pressure (Mpa)	Operating pressure (Mpa)	Coil length (m)	Water content per meter (l/m)
12 X 1	24	6	37,40	9,35	50	0,0785
14 X 1	26		32,06	8,01		0,1131
15 X 1	27		29,92	7,48		0,1327
16 X 1	28		28,05	7,01		0,1539
18 X 1	30		24,93	6,23		0,2011
22 X 1,5	34		30,60	7,65	25	0,2835

PALLETISATION OF COATED COILS					
Mesurement Ø x thickness (mm)	Coil length (m)	Coils per pallet (n)	Meters per pallet (m)	Approx. gross pallet weight (kg)	Dimension of pack (cm)
12 X 1	50	17	850	335	h 220 X ø 80
14 X 1		16	800	363	
15 X 1		15	750	383	
16 X 1				394	
18 X 1		13	650	375	h 220 X ø 90
22 X 1,5	25	18	450	456	

The packs cannot be stacked.

A maximum of 2 packs with a large diameter (**h 220 x ø 90 cm**) and available for other coated products, are loaded onto the pallet side-by-side together with a third smaller pallet.

The others can be loaded side-by-side in threes.

This copper tube is suitable for the following fields of use and with the following references:

Distribution of liquid and gaseous fuels by: **UNI CIG 7129**

Gas systems for household and similar powered by the distribution network - Design and installation.

